Canon

PS Driver Guide

PS Driver Ver. 3.00



Please read this guide before operating this product.
After you finish reading this guide, store it in a safe place for future reference.

ENG

PS Driver Guide

How This Manual Is Organized

Chapter 1 **Before You Start**

Chapter 2 **Getting Started**

Chapter 3 **Basic Print Options**

Chapter 4 **Special Print Options**

Chapter 5 **Appendix**

Includes information about additional software used with the PS printer driver, a list of the PS printer fonts corresponding to Windows fonts, and the index.

Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our products, if you need an exact specification, please contact Canon.

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Preface

Thank you for purchasing this Canon product. Please read this manual thoroughly before operating the product to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

How to Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

IMPORTANT	Indicates operational requirements and restrictions. Be sure to read these items carefully to operate the product correctly, and to avoid damage to the product.
NOTE	Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Keys and Buttons Used in This Manual

The following symbols and key/button names are a few examples of how keys and buttons to be clicked or pressed are expressed in this manual:

- Control Panel Key: Key Icon (Key Name)

  Example: (Additional Functions)

- Touch Panel Display Keys: [Key Name]

  Examples: [PS]

  [Yes]

- Buttons on Computer Operation Screens: [Button Name]

  Examples: [OK]

  [Next]

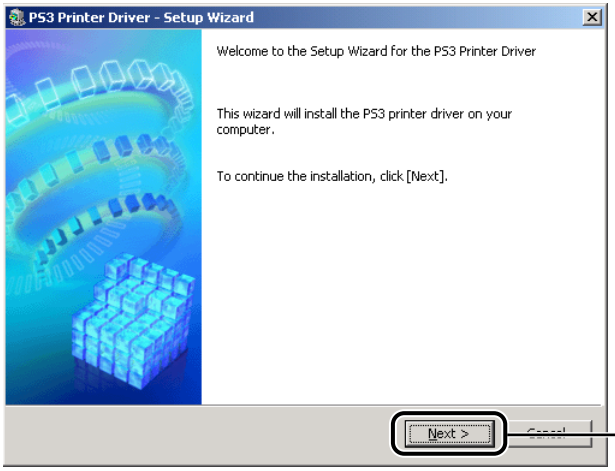
Displays Used in This Manual

Screen shots of computer operation screens used in this manual may differ from the ones you actually see, depending on the operating system and the model or options that come with your machine.

The keys or buttons which you should click or press are marked with a ( ), as shown below.

When multiple keys or buttons can be clicked or pressed, they are highlighted and mentioned in the order in which they should be clicked or pressed.

4 **Click [Next].**



Click this button for operation.

Abbreviations Used in This Manual

In this manual, product names and model names are abbreviated as follows:

Microsoft® Windows® 98 operating system:	Windows 98
Microsoft® Windows® Millennium Edition operating system:	Windows Me
Microsoft® Windows® 2000 operating system:	Windows 2000
Microsoft® Windows® XP operating system:	Windows XP
Microsoft® Windows Server™ 2003 operating system:	Windows Server 2003
PostScript® 3 emulation:	PS

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1 CHAPTER

Before You Start

This chapter describes the system environments required for using the PS (PostScript) printer driver. It also describes where to find help and information regarding the installation and use of this driver.

Introduction 1-2

Supported Canon Products 1-3

System Requirements 1-5

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Introduction

The Canon PS 3 emulation printer driver enables users of Microsoft Windows 98, Windows Me, Windows 2000, Windows XP, or Windows Server 2003 to print from any Windows application and make full use of their Canon printers. (Although the machines supported by this printer driver have multiple functions, they will be referred to as "printers" in this guide).

Canon provides you with three types of printer drivers: Adobe Systems' PS (PostScript) 3 emulation printer driver, Hewlett-Packard's PCL (Printer Control Language) printer driver, which includes the PCL5c, PCL5e, and PCL6 printer drivers, and Canon's UFR II (Ultra Fast Rendering II) printer driver.

■ PS

The PS printer driver is well-suited for printing from Adobe Systems software, and offers superior performance for printing high-quality text and graphics.

■ PCL

The PCL5c, PCL5e, and PCL6 printer drivers can be used with most kinds of business application software. The PCL5c printer driver is for color printers, while the PCL5e and PCL6 printer drivers are for black-and-white printers. PCL6 is an advanced version of PCL5e, and offers superior printing quality and speed. The PCL5e and PCL6 printer drivers are provided as standard with black-and-white printers.

■ UFR II

Using the UFR II printer driver, the various data processing tasks conventionally executed within the printer are appropriately divided between the host PC and the printer to greatly reduce the overall printing time. The workload can be delegated to match the output data, thus realizing a significant increase in speed through optimization.

You can update your printer driver software and acquire information about Canon products on the Canon home page (http://www.usa.canon.com). Driver software is updated every few months.

IMPORTANT

- The available printer drivers may vary, depending on the machine and the version of Windows that you are using.
- For information on the machines supported by the PS printer driver, see "Supported Canon Products," on p. 1-3.

Supported Canon Products

The PS printer driver version 3.00 is available for the following Canon Products. Refer to the following table to select the driver name that corresponds to your printer.

Printer Name	Driver Name
Color imageRUNNER C2620	Canon iR C2620 PS3
Color imageRUNNER C2880	Canon iR C2880/C3380 PS3
Color imageRUNNER C3200	Canon iR C3200 PS3
Color imageRUNNER C3220	Canon iR C3220 PS3
Color imageRUNNER C3380	Canon iR C2880/C3380 PS3
Color imageRUNNER C4080i	Canon iR C4080/C4580 PS3
Color imageRUNNER C4580i	Canon iR C4080/C4580 PS3
Color imageRUNNER C5180i	Canon iR C5180 PS3
imagePRESS C1	Canon iPR C1 PS3
imageRUNNER C3100	Canon iR C3100 PS3
imageRUNNER C3170i	Canon iR C3170 PS3
imageRUNNER C3170U	Canon iR C3170 PS3
imageRUNNER C5800	Canon iR C5800 PS3
imageRUNNER C5870U	Canon iR C5870 PS3
imageRUNNER C6800	Canon iR C6800 PS3
imageRUNNER C6870U	Canon iR C6870 PS3
imageRUNNER 105	Canon iR105 PS3
imageRUNNER 105+	Canon iR105PLUS PS3
imageRUNNER 2870/2270	Canon iR2270/iR2870 PS3
imageRUNNER 2870G/2270G	Canon iR2270/iR2870 PS3
imageRUNNER 3025	Canon iR3025 PS3
imageRUNNER 3030	Canon iR3030 PS3
imageRUNNER 3035	Canon iR3035/iR3045 PS3
imageRUNNER 3045	Canon iR3035/iR3045 PS3
imageRUNNER 3300/2800/2200	Canon iR2200-3300 PS3
imageRUNNER 3300i	Canon iR2200-3300 PS3
imageRUNNER 3320G	Canon iR2220/iR3320 PS3

Printer Name	Driver Name
imageRUNNER 3320i/2220i	Canon iR2220/iR3320 PS3
imageRUNNER 3320N/2220N	Canon iR2220/iR3320 PS3
imageRUNNER 4570/3570	Canon iR3570/iR4570 PS3
imageRUNNER 4570G/3570G	Canon iR3570/iR4570 PS3
imageRUNNER 5000i	Canon iR5000-6000 PS3
imageRUNNER 5070	Canon iR5070 PS3
imageRUNNER 6000/5000	Canon iR5000-6000 PS3
imageRUNNER 6020/5020	Canon iR5020/iR6020 PS3
imageRUNNER 6020i/5020i	Canon iR5020/iR6020 PS3
imageRUNNER 6570/5570	Canon iR5570/iR6570 PS3
imageRUNNER 7105/7095/7086	Canon iR7086-7105 PS3
imageRUNNER 7200	Canon iR7200 PS3
imageRUNNER 8070	Canon iR8070 PS3
imageRUNNER 85	Canon iR8500 PS3
imageRUNNER 85+	Canon iR85PLUS PS3
imageRUNNER 8500	Canon iR8500 PS3
imageRUNNER 9070	Canon iR9070 PS3

Two driver versions are provided: Windows 98/Me and Windows 2000/XP/Server 2003 versions. Be sure to use the right driver for the version of Windows you are using.

IMPORTANT

In this guide, these printer names are hereafter referred to as the following:

- Color imageRUNNER C4080i: Color imageRUNNER C4080
- Color imageRUNNER C4580i: Color imageRUNNER C4580
- Color imageRUNNER C5180i: Color imageRUNNER C5180
- imageRUNNER C3170i, imageRUNNER C3170U: imageRUNNER C3170
- imageRUNNER C5870U: imageRUNNER C5870
- imageRUNNER C6870U: imageRUNNER C6870

System Requirements

The printer driver for Windows can be used in the following system environments:

■ Operating System Software

- Microsoft Windows 98
- Microsoft Windows Me
- Microsoft Windows 2000
- Microsoft Windows XP
- Microsoft Windows Server 2003

■ With a Server-Based Computing Environment

- Compatible Windows Terminal Server (Service)
  - Microsoft Windows 2000 Server
  - Microsoft Windows Server 2003
- Compatible Software
  - Citrix MetaFrame XP
  - Citrix MetaFrame 1.8
  - Citrix MetaFrame Presentation Server 3.0
  - Citrix Presentation Server 4.0
- Compatible Microsoft Cluster Server (MSCS)
  - Microsoft Windows 2000 Advanced Server
  - Microsoft Windows Server 2003 Enterprise Edition

■ Computer

Any computer which runs the above operating system software properly

Where to Find Help

Here is where to get immediate help if you are having problems installing or using the printer driver.

■ README.TXT file

Any hints, enhancements, limitations, and restrictions you need to be aware of when installing and using your printer driver are included in the README.TXT file provided with the driver. The README.TXT file is located in \PS\us_eng.

■ Online Help

You can locate additional help for questions you may have regarding your printer in the Online Help provided with the driver. In the printer properties dialog box, you can click [Help] to display additional information about every feature and option in the PS printer driver. You can also click [?] (Help) in the upper right corner of most dialog boxes, and then click a specific item in the dialog box for help with that item. See the Online Help for the detailed information on specifying PS options.

■ Canon Authorized Dealers or Service Providers

If the Online Help does not provide the information you need, contact your local authorized Canon dealer or service provider.

Getting Started

2
CHAPTER

This chapter describes instructions for installing the PS printer driver, setting the system configuration, and printing a document.

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- Installing the Printer Driver 2-2
- USB Connection Installation 2-24
- Installing the PPD File 2-33
- Installing the Canon Driver Information Assist Service 2-34
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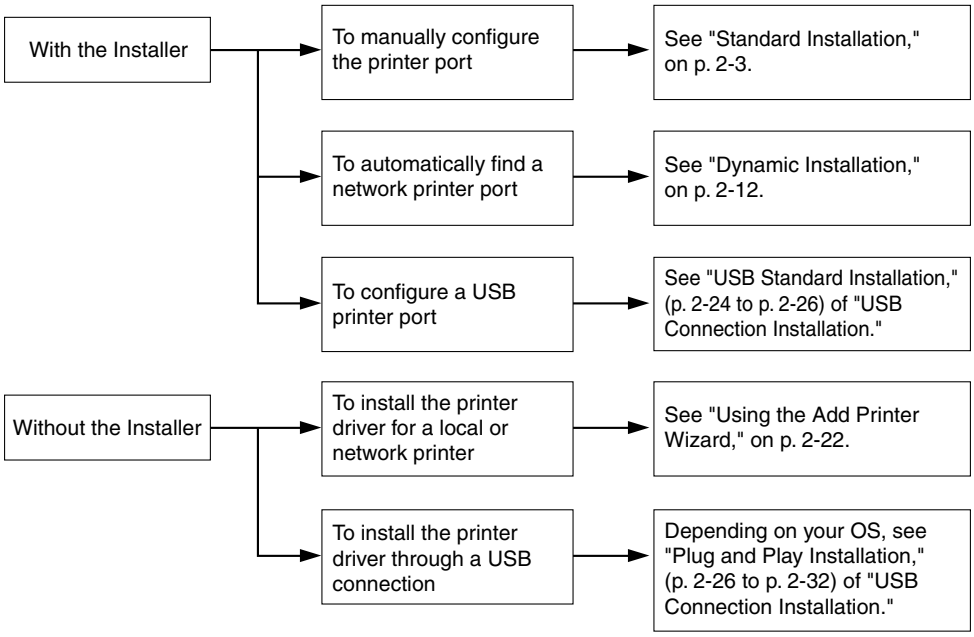
Installing the Software

This section describes instructions for installing the printer driver and the Canon Driver Information Assist Service, and for uninstalling the printer driver.

Installing the Printer Driver

Before using the printer, you must install the PS printer driver for it.

Refer to the figure below in order to decide which procedure to use and read the corresponding pages in this manual.



IMPORTANT

- For Windows 2000/XP/Server 2003, log on as the Administrator when you install the driver.
- If you use the Installer, you can also update existing drivers simultaneously installing a new driver, or update existing drivers without installing a new driver. Canon machines whose printer drivers can be updated are listed under "Supported Canon Products," on p. 1-3.

Standard Installation

Standard installation is when you select an existing printer port manually.

You can also install a network printer or set up a shared printer by following the procedure below.

IMPORTANT

If you are using a printer connected to a network using TCP/IP protocol, you can automatically search for a port to install the printer driver. For instructions, see "Dynamic Installation," on p. 2-12.

1 Insert the Software CD-ROM into the CD-ROM drive → wait for the installation process to start.

If nothing happens, double-click the [My Computer] icon → the CD-ROM drive icon → the [Minst.exe] icon to start the installation process.

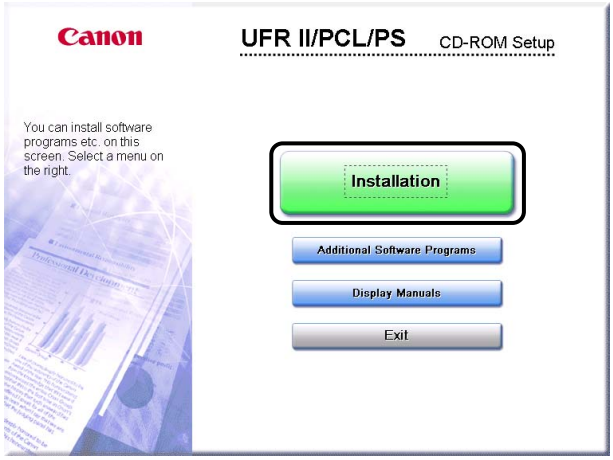
If you cannot find the [Minst.exe] icon on your CD-ROM, follow the steps below.

1. Double-click the following folders: [PS] → [us_eng].
2. Double-click the [Setup.exe] icon to start the installation process → proceed to step 4.

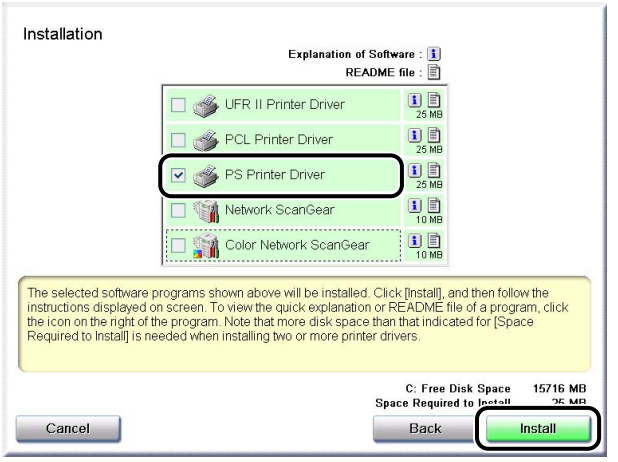
NOTE

Depending on the software or the operating system you are using, a screen for selecting the language to be used for the installer may be displayed before installing.

2 On the CD-ROM Setup screen, click [Installation].

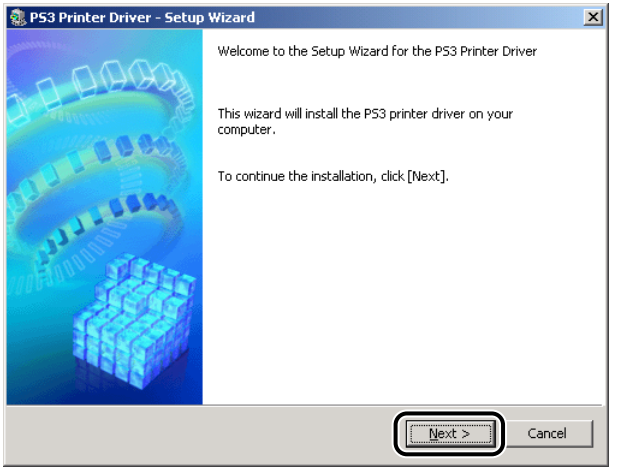


3 Select the PS Printer Driver from the list → click [Install].



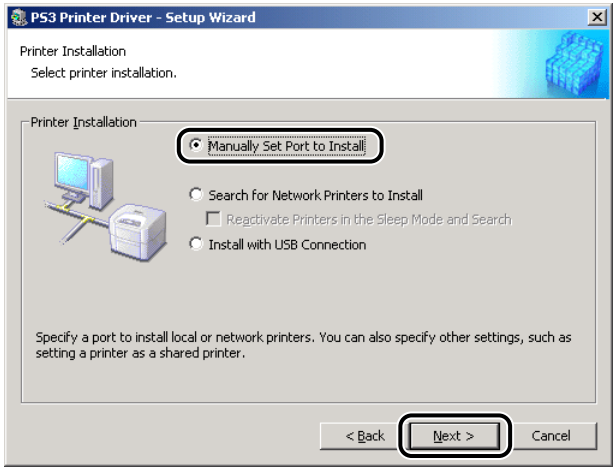
If you select multiple drivers to be installed, the drivers are installed in sequence.

4 Click [Next].



5 Read the license agreement carefully. If you agree to the terms, click [Yes].

6 Select [Manually Set Port to Install] → click [Next].



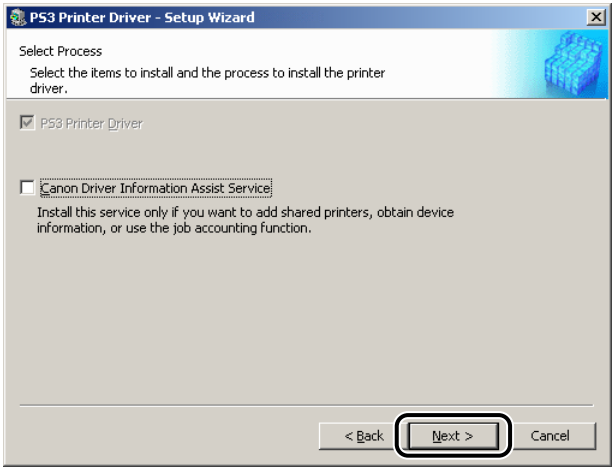
NOTE

If you have installed Canon Driver Information Assist Service and are using an operating system equipped with Windows Firewall, when the following message box is displayed, click [Yes] or [No].

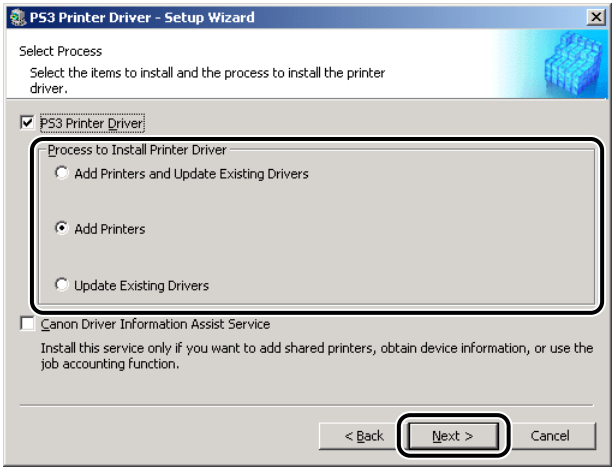
- If you select [Yes], Windows Firewall will be configured to unblock the connection for Canon Driver Information Assist Service, so that you can set up the printer configuration automatically or use the Job Accounting feature.
- If you select [No], you cannot use Canon Driver Information Assist Service.



7 Click [Next].



If the required drivers have already been installed using the installer, the following screen is displayed. Select an option under [Process to Install Printer Driver] → click [Next].



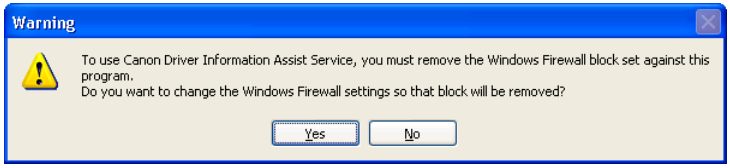
[Process to Install Printer Driver]

- [Add Printers and Update Existing Drivers]: You can install a new driver and update existing drivers simultaneously.
- [Add Printers]: You can add a new driver without affecting existing drivers.
- [Update Existing Drivers]: You can update the existing drivers already installed without having to add a new one. To do this, see "Updating the Existing Printer Drivers," on p. 2-38.

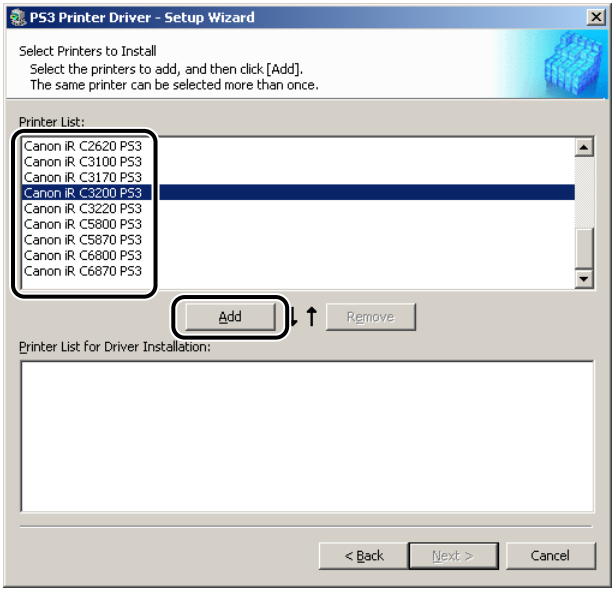
If you want to install the Canon Driver Information Assist Service together with the printer driver, also select [Canon Driver Information Assist Service].

NOTE

- If you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to set up the printer configuration automatically or to use the Job Accounting feature.
- If the Canon Driver Information Assist Service is already installed on your computer, [Canon Driver Information Assist Service] does not display.
- If you are using an operating system equipped with Windows Firewall, when the following message box is displayed, click [Yes] or [No].
  - If you select [Yes], Windows Firewall will be configured to unblock the connection for Canon Driver Information Assist Service, so that you can set up the printer configuration automatically or use the Job Accounting feature.
  - If you select [No], you cannot use Canon Driver Information Assist Service.



8 Select the printer driver(s) you want to install from [Printer List] → click [Add].

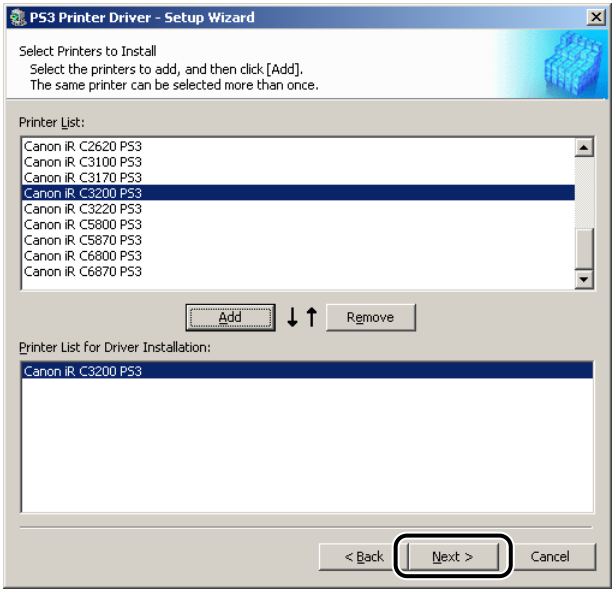


The printer driver(s) you selected is added to [Printer List for Driver Installation].

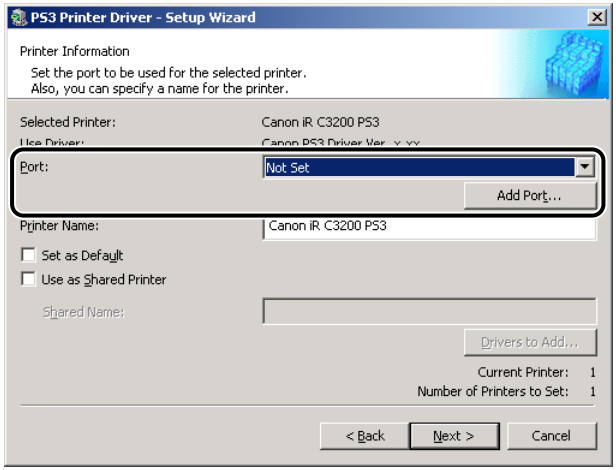
NOTE

- You can also add a printer driver to [Printer List for Driver Installation] by double-clicking the printer driver under [Printer List].
- To delete a printer driver that you do not want to install from [Printer List for Driver Installation], select the appropriate printer driver → click [Remove].

9 Verify that the printer driver(s) you want to install is selected in the [Printer List for Driver Installation] → click [Next].



10 Select a port.



NOTE

If more than one printer driver is selected, this dialog box will reappear to enable selection of different ports for other printer drivers.

- **If you want to set a standard port:**

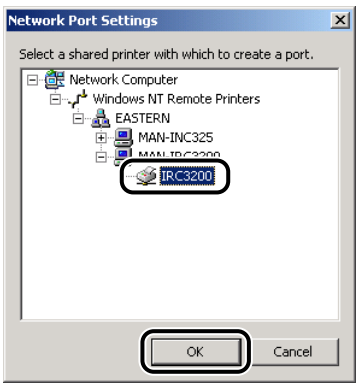
  ❑ Select the printer port you want to use from [Port].

- **If you want to set a port for a network printer:**

  ❑ Click [Add Port].

  ❑ Select [Network] from [Add Port] dialog box → click [OK].

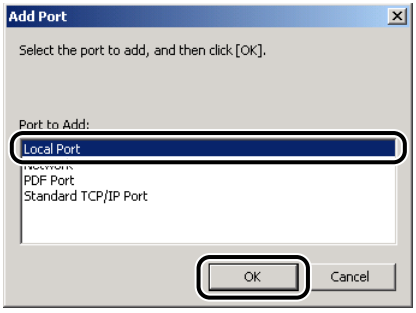
  ❑ Select the network printer → click [OK].



● **If you want to add a port:**

❑ Click [Add Port].

❑ Select the printer port you want to add from [Add Port] dialog box → click [OK].

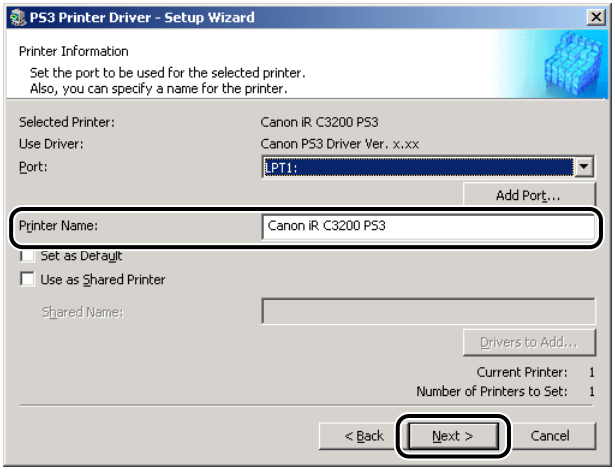


Ports displayed in the [Add Port] dialog box vary depending on the operating system you are using.

❑ Specify the settings for the port you want to add in the dialog box displayed → click [OK].

The dialog box that is displayed varies according to the port being added.

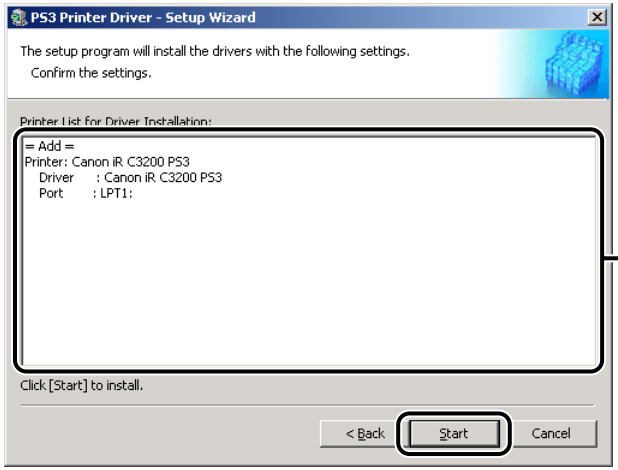
11 Enter a printer name in [Printer Name] if necessary → select [Set as Default] if you want to set the printer as the default printer → click [Next].



NOTE

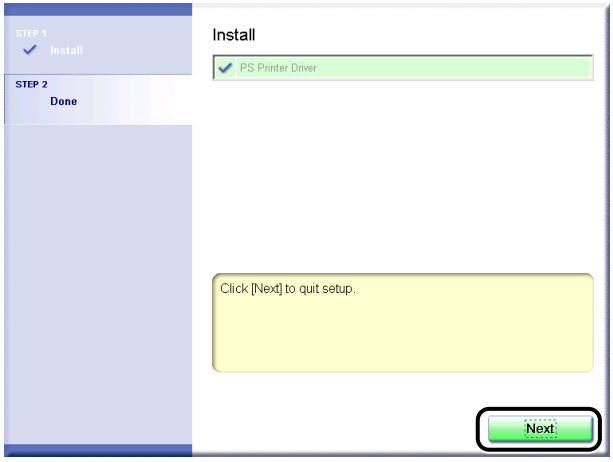
- If you want to specify shared printer settings, or are installing an alternative driver in Windows 2000/XP/Server 2003, select [Use as Shared Printer]. For instructions on how to specify detailed settings for a shared printer, see steps 2 to 4 of "Alternate Printer Driver (Windows 2000/XP/Server 2003)," on p. 2-20.
- If you have selected [Network] in [Add Port] dialog box, you cannot set [Printer Name] and [Use as Shared Printer].

12 Verify the installation settings → click [Start].



The information shown in the window may differ according to your system parameters.

13 After the files are copied, click [Next].



Depending on the printer model you are installing, this screen may not be displayed. If so, proceed to step 14.

14 Click [Restart] or [Exit] to finish the installation.

The printer icon is displayed in the [Printers] folder. The driver is now installed.

Dynamic Installation

If you are using a printer connected to a network using TCP/IP protocol, you can automatically search for its printer port. To install the printer driver by dynamic installation, follow the procedure below.

IMPORTANT

You can search only for printers in the same subnet as your computer.

NOTE

If you are using a local printer or a printer connected to a network using a protocol other than TCP/IP, see "Standard Installation," on p. 2-3.

---

1 Insert the Software CD-ROM into the CD-ROM drive → wait for the installation process to start.

If nothing happens, double-click the [My Computer] icon → the CD-ROM drive icon → the [Minst.exe] icon to start the installation process.

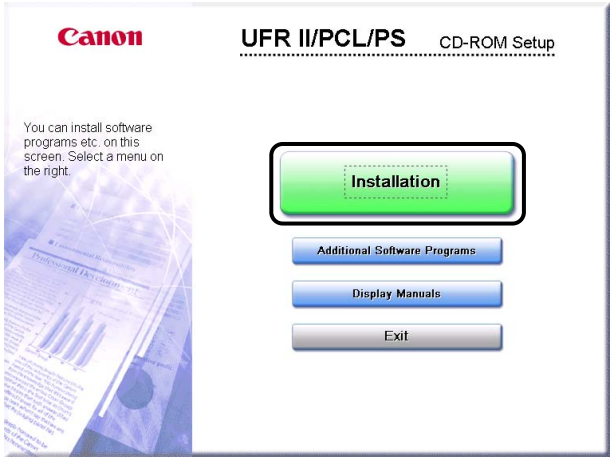
If you cannot find the [Minst.exe] icon on your CD-ROM, follow the steps below.

1. Double-click the following folders: [PS] → [us_eng].
2. Double-click the [Setup.exe] icon to start the installation process → proceed to step 4.

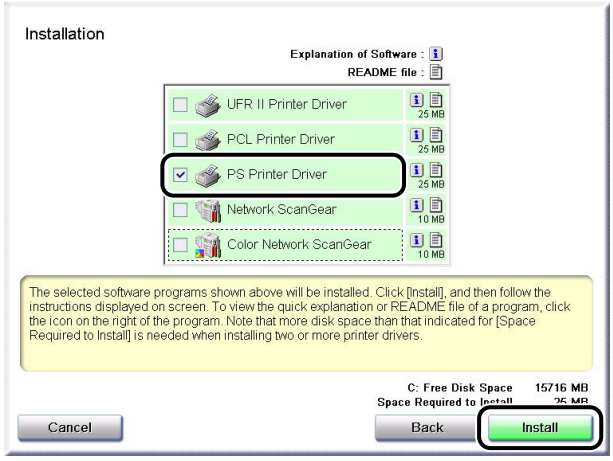
NOTE

Depending on the software or the operating system you are using, a screen for selecting the language to be used for the installer may be displayed before installing.

2 On the CD-ROM Setup screen, click [Installation].

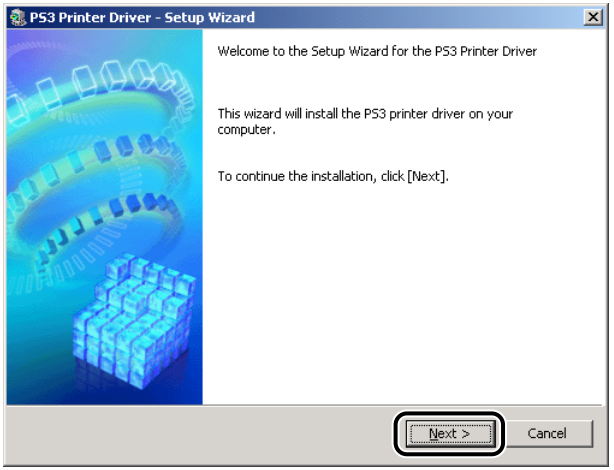


3 Select the PS Printer Driver from the list → click [Install].



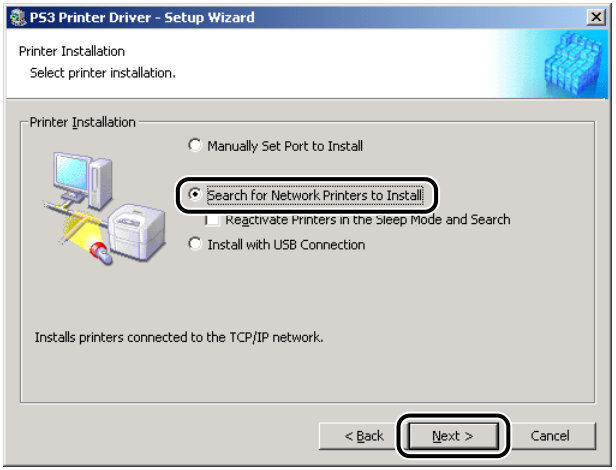
If you select multiple drivers to be installed, the drivers are installed in sequence.

4 **Click [Next].**



5 **Read the license agreement carefully. If you agree to the terms, click [Yes].**

6 **Select [Search for Network Printers to Install] → click [Next].**

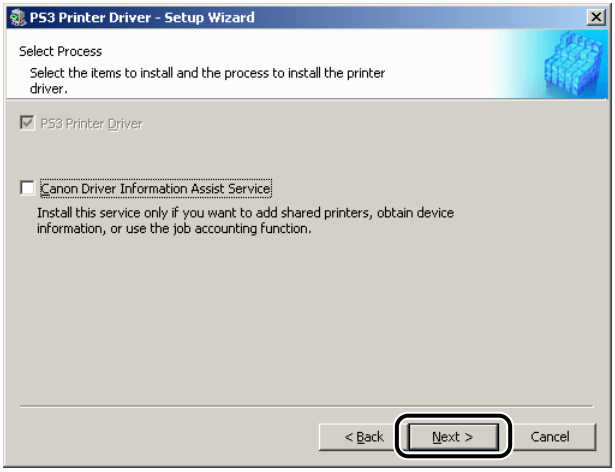


NOTE

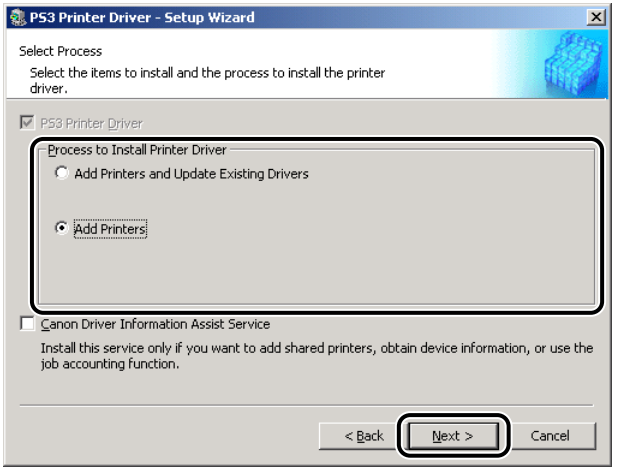
- To search for printers in sleep mode on the network, select [Reactivate Printers in the Sleep Mode and Search].
- If you have installed Canon Driver Information Assist Service and are using an operating system equipped with Windows Firewall, when the following message box is displayed, click [Yes] or [No].
  - If you select [Yes], Windows Firewall will be configured to unblock the connection for Canon Driver Information Assist Service, so that you can set up the printer configuration automatically or use the Job Accounting feature.
  - If you select [No], you cannot use Canon Driver Information Assist Service.



7 Click [Next].



If the required drivers have already been installed using the installer, the following screen is displayed. Select an option under [Process to Install Printer Driver] → click [Next].



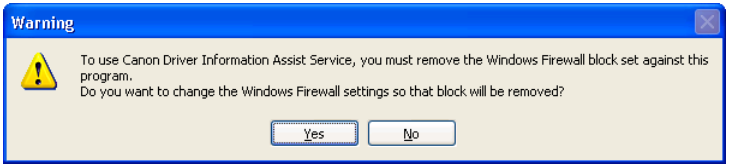
[Process to Install Printer Driver]

- [Add Printers and Update Existing Drivers]: You can install a new driver and update existing drivers simultaneously.
- [Add Printers]: You can add a new driver without affecting existing drivers.

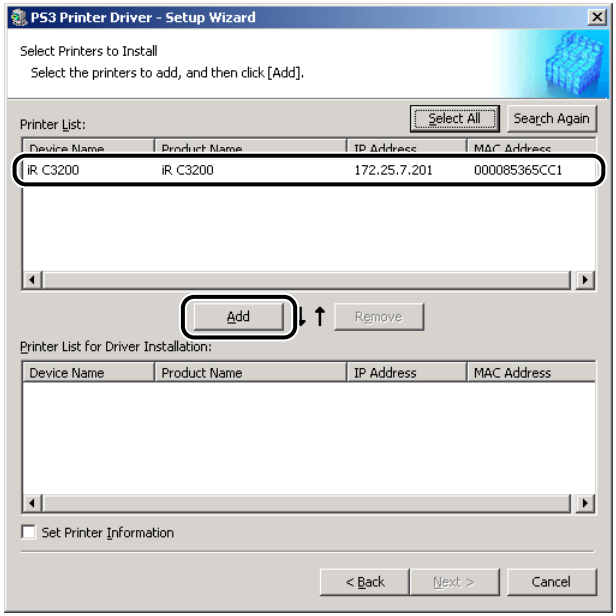
If you want to install the Canon Driver Information Assist Service together with the printer driver, also select [Canon Driver Information Assist Service].

NOTE

- If you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to set up the printer configuration automatically or to use the Job Accounting feature.
- If the Canon Driver Information Assist Service is already installed on your computer, [Canon Driver Information Assist Service] does not display.
- If you are using an operating system equipped with Windows Firewall, when the following message box is displayed, click [Yes] or [No].
  - If you select [Yes], Windows Firewall will be configured to unblock the connection for Canon Driver Information Assist Service, so that you can set up the printer configuration automatically or use the Job Accounting feature.
  - If you select [No], you cannot use Canon Driver Information Assist Service.



8 Select the printer driver(s) you want to install from [Printer List] → click [Add].



If you want to select all the printer drivers found, click [Select All].

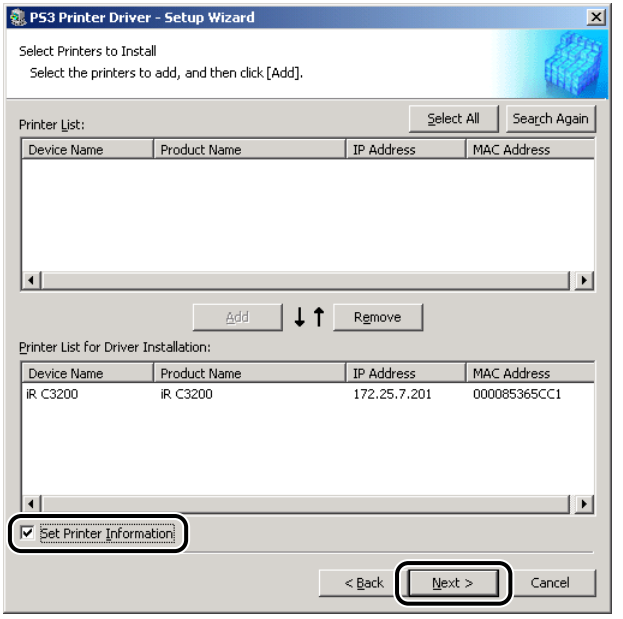
The printer driver(s) you selected is added to [Printer List for Driver Installation].

NOTE

- To delete a printer driver that you do not want to install from [Printer List for Driver Installation], select the appropriate driver → click [Remove].
- If the appropriate printer cannot be found, refer to "Standard Installation," on p. 2-3, to install the printer driver.

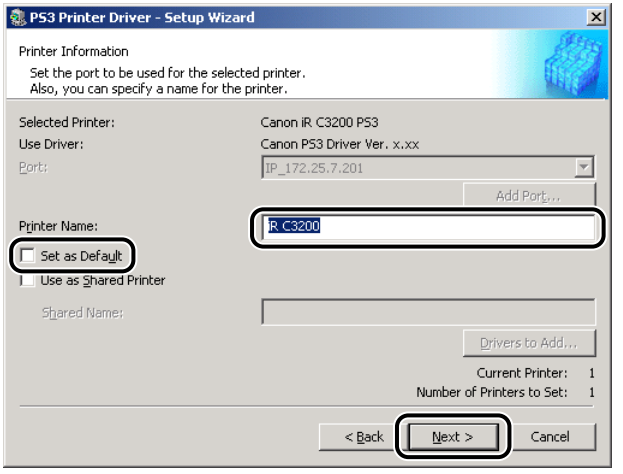
9 Verify that the printer driver(s) you want to install is selected in the [Printer List for Driver Installation].

10 If you want to change the printer name, or set the printer as the default printer, select [Set Printer Information] → click [Next].



If you do not want to change these settings, click [Next] → skip to step 12.

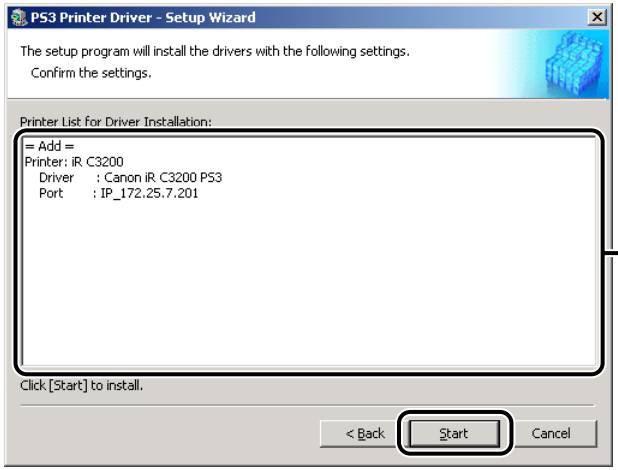
11 Specify the name in [Printer Name], or select [Set as Default] → click [Next].



NOTE

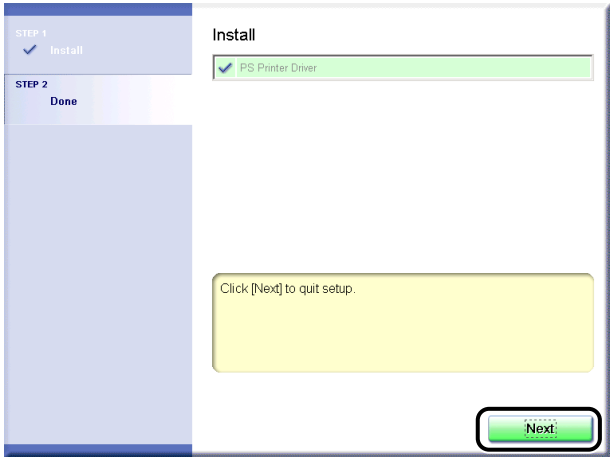
If you want to specify shared printer settings, or are installing an alternate driver in Windows 2000/XP/Server 2003, select [Use as Shared Printer]. For instructions on how to specify detailed settings for a shared printer, see steps 2 to 4 of "Alternate Printer Driver (Windows 2000/XP/Server 2003)," on p. 2-20.

12 Verify the installation settings → click [Start].



The information shown in the window may differ according to your system parameters.

13 After the files are copied, click [Next].



Depending on the printer model you are installing, this screen may not be displayed. If so, proceed to step 14.

14 Click [Restart] or [Exit] to finish the installation.

The printer icon is displayed in the [Printers] folder. The driver is now installed.

Alternate Printer Driver (Windows 2000/XP/Server 2003)

If you are using one or more shared printers in Windows 2000/XP/Server 2003, you can install an alternate printer driver. Installing an alternate printer driver enables you to install a printer driver on a client PC via a network.

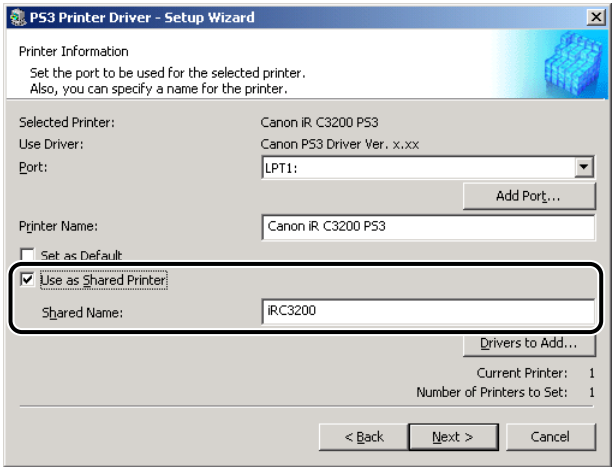
To specify settings for the shared printer, follow the procedure below.

---

1 Start the Installer → follow the instructions in the dialog boxes.

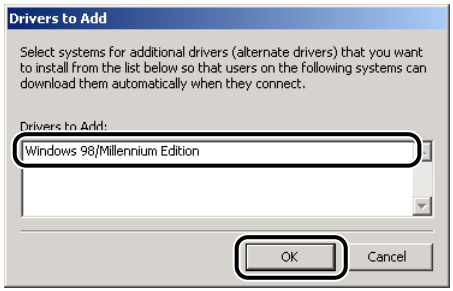
See steps 1 to 10 of "Standard Installation," on p. 2-3.

2 Select [Use as Shared Printer] → enter a share name.

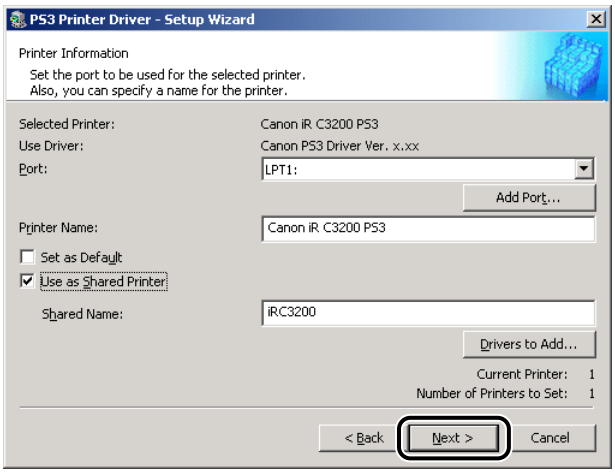


If you want to set the operating system on which the driver will run, click [Drivers to Add].

3 Select the operating system from [Drivers to Add] → click [OK].



4 In the [Printer Information] dialog box, click [Next].



5 Follow the instructions in the dialog or message boxes to complete the installation.

See steps 12 and 13 of "Standard Installation," on p. 2-3.

IMPORTANT

To use the printer driver on the client PC, double-click the shared printer icon for the alternate printer driver on the server PC.

Using the Add Printer Wizard

To install a printer driver from the [Printers] folder in the Windows Control Panel, follow the procedure below.

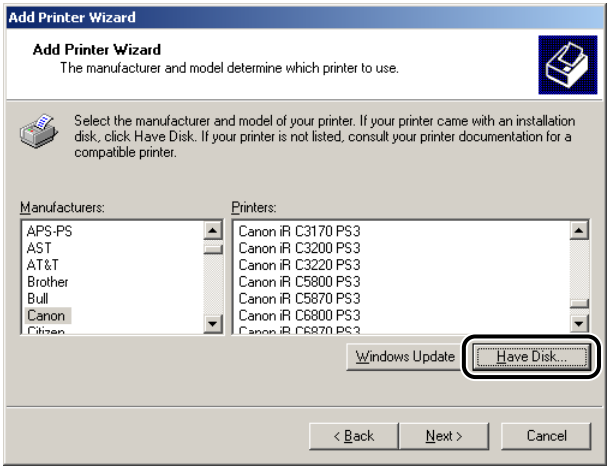
1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

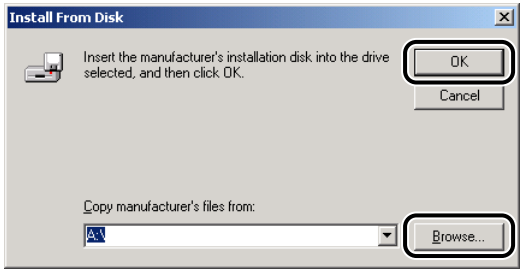
- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, double-click the [Add Printer] icon to start the Add Printer Wizard → follow the instructions on the screen to continue the installation.

3 Insert the Software CD-ROM into the CD-ROM drive → click [Have Disk].



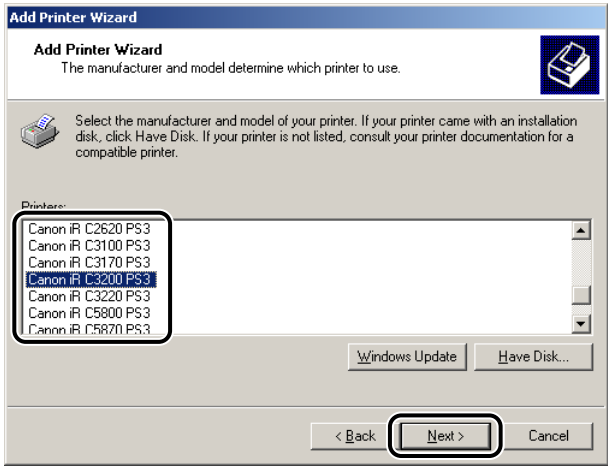
4 Click [Browse] to select the folder of the driver you want to install → click [OK].



You can select the driver from the following folders on the CD-ROM.

OS	Path
Windows 98/Me	\PS\us_eng\win98_me
Windows 2000/XP/Server 2003	\PS\us_eng\win2k_xp

5 Select your printer model from [Printers] → click [Next].



6 Follow the instructions on the screen to continue → click [Finish] to start copying the files.

The printer icon is displayed in the [Printers] folder. The driver is now installed.

USB Connection Installation

To install the printer driver through a USB connection, follow the procedure below.

NOTE

If you use the Color imageRUNNER C2620, Color imageRUNNER C2880, Color imageRUNNER C3200, Color imageRUNNER C3220, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3100, imageRUNNER C3170, imageRUNNER C5800, imageRUNNER C5870, imageRUNNER C6800, imageRUNNER C6870, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5070, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 8070, imageRUNNER 85+, or imageRUNNER 9070, you can print in a USB environment.

USB Standard Installation

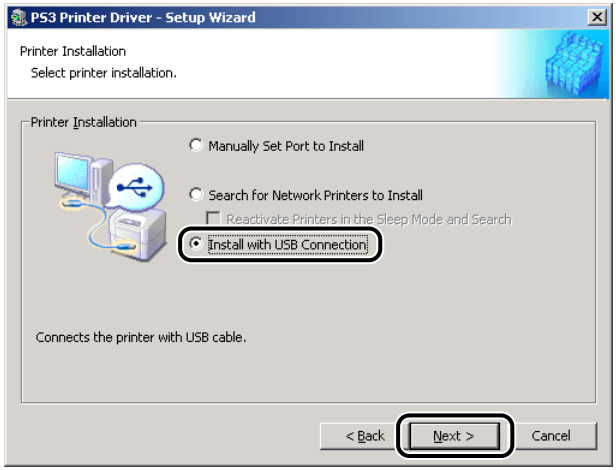
IMPORTANT

- Before installing a printer driver through a USB connection, turn the printer OFF. Turn the power back ON only if the instruction to do so appears on the screen during installation.
- In a USB environment, you cannot set up the printer configuration automatically or use the Job Accounting feature.
- To print with the Color imageRUNNER C2620, Color imageRUNNER C2880, Color imageRUNNER C3200, Color imageRUNNER C3220, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3100, imageRUNNER C3170, imageRUNNER C5800, imageRUNNER C5870, imageRUNNER C6800, or imageRUNNER C6870 with a USB connection, the USB interface board (optional) is required.

1 Start the Installer → follow the instructions in the dialog box.

See steps 1 to 4 of "Standard Installation," on p. 2-3.

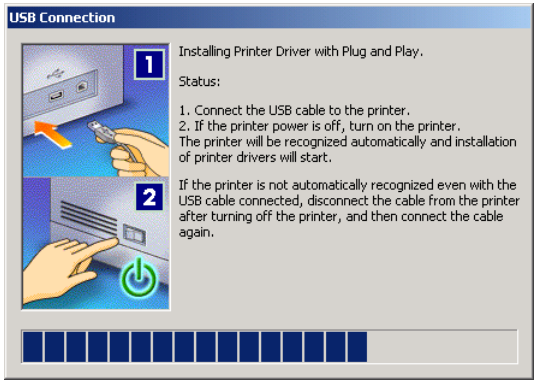
2 Select [Install with USB Connection] → click [Next].



3 Click [Yes] in the message box to proceed.

File copying starts.

4 When the message box below appears after the files are copied, connect the USB cable, and then turn the printer ON.



NOTE

If you are using Windows XP, select [Install Software Automatically (Recommended)] in the dialog box displayed next → click [Next].

5 **Click [Exit] to finish the installation.**

The printer icon is displayed in the [Printers] folder. The driver is now installed.

Plug and Play Installation (Windows 98)

1 **Connect the cable from the printer's USB port to the PC's USB port, and then turn the printer ON.**

2 **Start Windows, and then insert the Software CD-ROM into the CD-ROM drive.**

The Add New Hardware Wizard starts.

3 **In the first dialog box of the Add New Hardware Wizard, click [Next].**

4 **Select [Search for the best driver for your device. (Recommended)] → click [Next].**



5 **Select [Specify a location] → click [Browse] to select [\PS\us_eng\Usbport\win98] on the CD-ROM → click [Next].**



6 **Follow the instructions on the screen → click [Finish] after the files are copied.**

The USB driver is now installed. Continue with the installation to install the printer driver.

7 **Follow the instructions on the screen → select [Search for the best driver for your device. (Recommended)] → click [Next].**

8 **Select [Specify a location] → click [Browse] to select the folder containing the driver you want to install → click [Next].**

You can select the driver from the following folder on the CD-ROM.

\PS\us_eng\win98_me

9 **Follow the instructions on the screen → click [Finish] after the files are copied.**

The printer driver is now installed.

Plug and Play Installation (Windows Me)

1 **Connect the cable from the printer's USB port to the PC's USB port, and then turn the printer ON.**

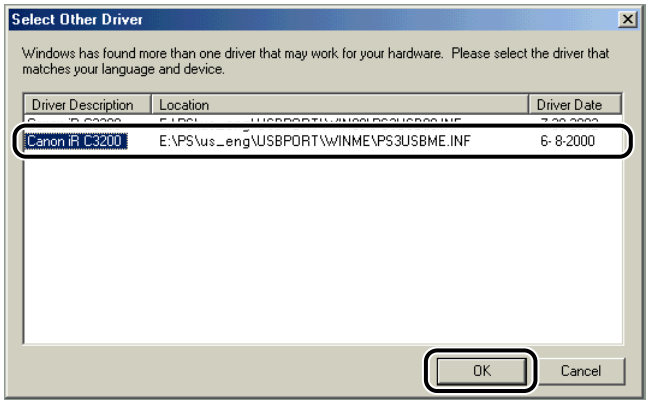
2 **Start Windows, and then insert the Software CD-ROM into the CD-ROM drive.**

The Add New Hardware Wizard starts.

3 **In the first dialog box of the Add New Hardware Wizard, select [Automatic search for a better driver (Recommended)] → click [Next].**



4 Select the [PS3USBME.INF] file in the [Select Other Driver] dialog box → click [OK].



5 Follow the instructions on the screen → click [Finish] after the files are copied.

The USB driver is now installed. Continue with the installation to install the printer driver.

6 In the [Select Other Driver] dialog box, select the folder containing the driver you want to install → click [OK].

You can select the driver from the following folder on the CD-ROM.

\PS\us_eng\win98_me

7 Follow the instructions on the screen → click [Finish] after the files are copied.

The printer driver is now installed.

Plug and Play Installation (Windows 2000)

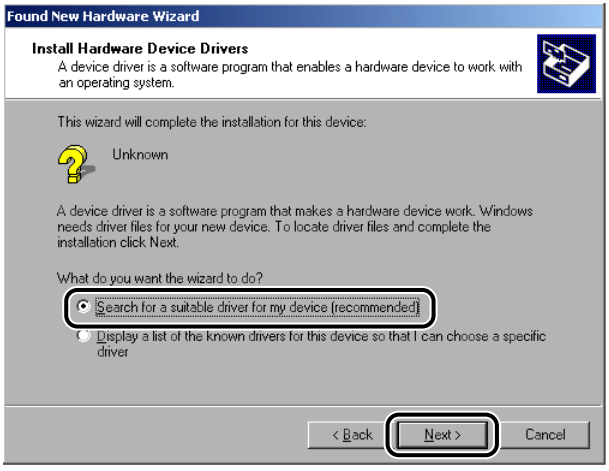
1 **Connect the cable from the printer's USB port to the PC's USB port, and then turn the printer ON.**

2 **Start Windows, and then insert the Software CD-ROM into the CD-ROM drive.**

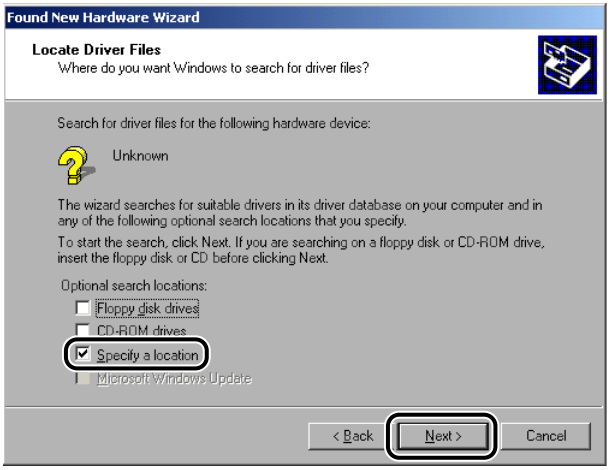
The Found New Hardware Wizard starts.

3 **In the first dialog box of the Found New Hardware Wizard, click [Next].**

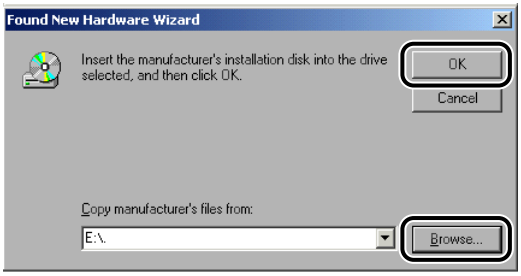
4 **Select [Search for a suitable driver for my device (recommended)] → click [Next].**



5 Select [Specify a location] → click [Next].



6 Click [Browse] to select the folder containing the driver you want to install → click [OK].



You can select the driver from the following folder on the CD-ROM.

\PS\us_eng\win2k_xp

7 Follow the instructions on the screen → click [Finish] after the files are copied.

The USB driver and the printer driver are now installed.

Plug and Play Installation (Windows XP/Server 2003)

1 **Connect the cable from the printer's USB port to the PC's USB port, and then turn the printer ON.**

2 **Start Windows, and then insert the Software CD-ROM into the CD-ROM drive.**

The Found New Hardware Wizard starts.

3 **Confirm that [Install the software automatically (Recommended)] is selected → click [Next].**



Windows searches for the driver automatically, and then starts the installation.

4 **Click [Finish] after the files are copied.**

The USB driver and the printer driver are now installed.

Installing the PPD File

With PageMaker v6.52 or later and QuarkXPress 4.x, the PPD (PostScript Printer Description) file is not installed in the appropriate folder during normal installation. In order to use the Color imageRUNNER series or imageRUNNER series features in the [Print] and [Page Setup] dialog boxes of this application software, follow the procedure below to copy the PPD file into the appropriate folder. For other application software requiring this file, use the PPD file for PageMaker v6.52 or later.

1 Insert the Software CD-ROM into the CD-ROM drive.

2 Double-click the [My Computer] icon → the CD-ROM drive icon.

3 Select the folder containing the PPD file → copy the PPD file into the appropriate folder.

- **If you are using PageMaker v6.52 or later:**
  - ❑ Double-click [PS_PPD].
  - ❑ Double-click the folder for your printer → [us_eng] → [your printer name] → [pm].
  - ❑ Copy the PPD file into \PM65\RSRC\usenglish\PPD4.

NOTE

You can change the folder name "PM65" during installation of the application software.

- **If you are using QuarkXPress 4.x:**
  - ❑ Double-click [PS_PPD].
  - ❑ Double-click the folder for your printer → [us_eng] → [your printer name] → [qx].
  - ❑ Copy the PPD file into \Windows\system.

NOTE

The above is the default folder; you can specify which folder to copy the PPD file into by using the PPD Manager.

Installing the Canon Driver Information Assist Service

After installing the printer driver, you can set up the printer configuration automatically and use the Job Accounting feature. If you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to use such features.

If the software is not installed in your computer, follow the procedure below to install it.

1 Insert the Software CD-ROM into the CD-ROM drive → wait for the installation process to start.

If nothing happens, double-click the [My Computer] icon → the CD-ROM drive icon → the [Minst.exe] icon to start the installation process.

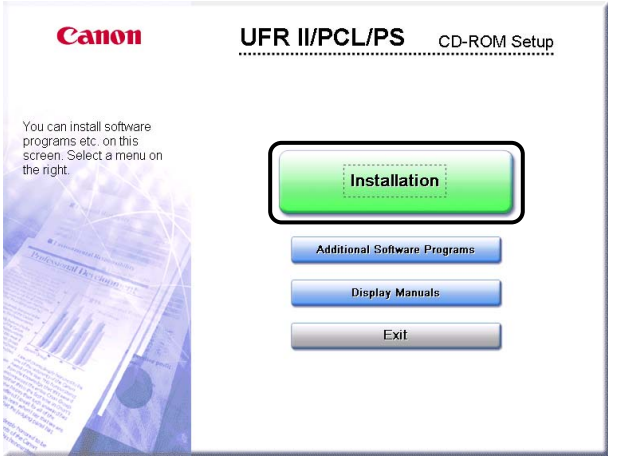
If you cannot find the [Minst.exe] icon on your CD-ROM, follow the steps below.

1. Double-click the following folders: [PS] → [us_eng].
2. Double-click the [Setup.exe] icon to start the installation process → proceed to step 4.

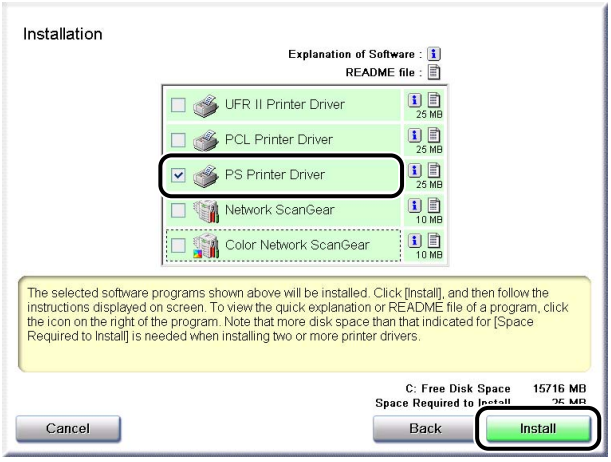
NOTE

Depending on the software or the operating system you are using, a screen for selecting the language to be used for the installer may be displayed before installing.

2 On the CD-ROM Setup screen, click [Installation].

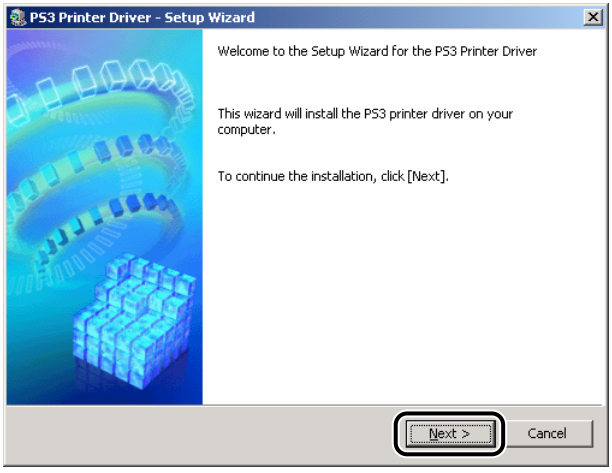


3 Select the PS Printer Driver from the list → click [Install].



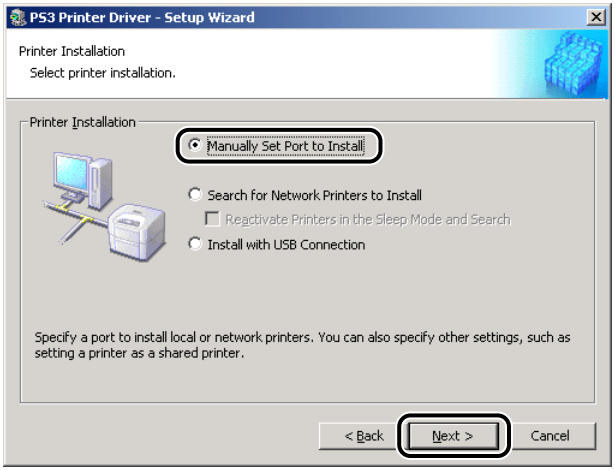
If you select multiple drivers to be installed, the drivers are installed in sequence.

4 Click [Next].

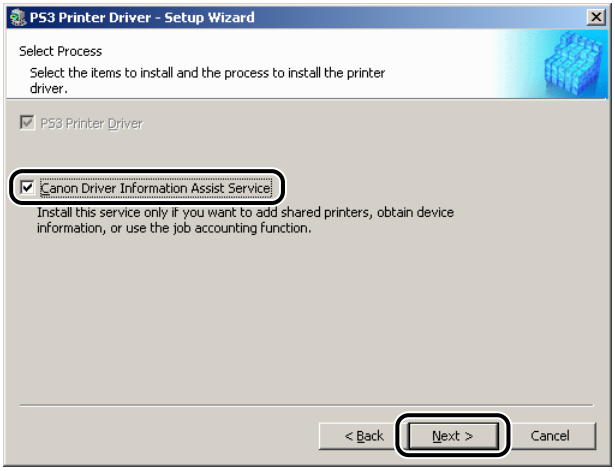


5 Read the license agreement carefully. If you agree to the terms, click [Yes].

6 Select [Manually Set Port to Install] → click [Next].



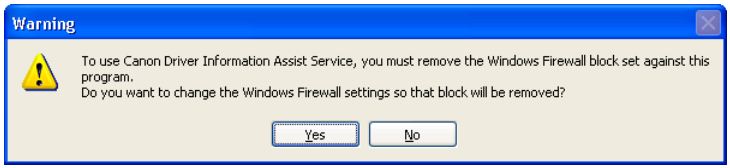
7 Select [Canon Driver Information Assist Service] → click [Next].



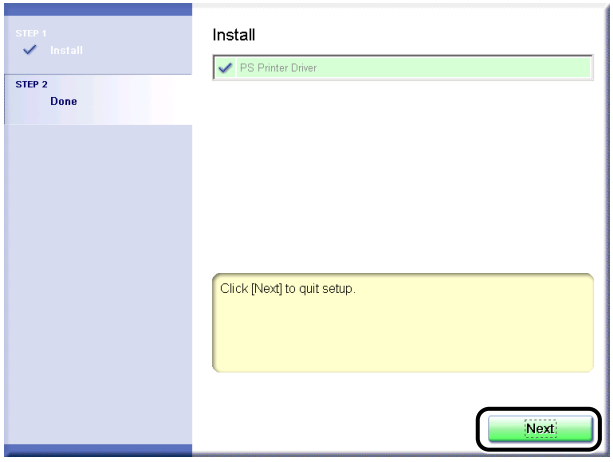
NOTE

If you are using an operating system equipped with Windows Firewall, when the following message box is displayed, click [Yes] or [No].

- If you select [Yes], Windows Firewall will be configured to unblock the connection for Canon Driver Information Assist Service, so that you can set up the printer configuration automatically or use the Job Accounting feature.
- If you select [No], you cannot use Canon Driver Information Assist Service.



8 After the files are copied, click [Next].



Depending on the printer model you are installing, this screen may not be displayed. If so, proceed to step 9.

9 Click [Restart] or [Exit] to finish the installation.

The Canon Driver Information Assist Service is now installed.

Updating the Existing Printer Drivers

IMPORTANT

Canon machines whose printer drivers can be updated using this version of the driver are listed under "Supported Canon Products," on p. 1-3.

Using the Installer

If you use the Installer to install new printer drivers, the Installer updates the existing ones at the same time that the new drivers are installed.

You can also update the existing drivers already installed without having to add a new driver by following the procedure below.

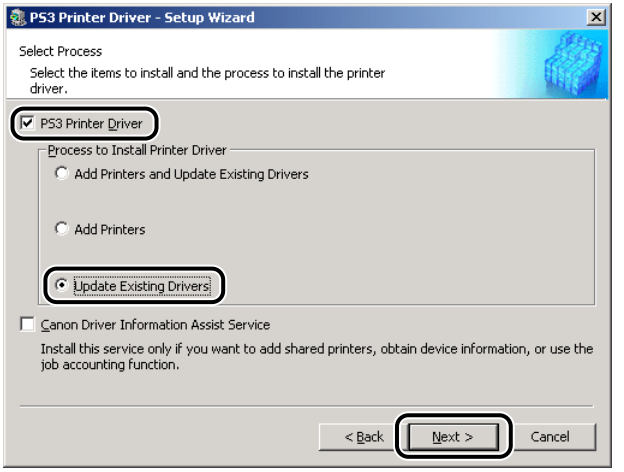
NOTE

You can also update an old version of the alternate printer driver simultaneously.

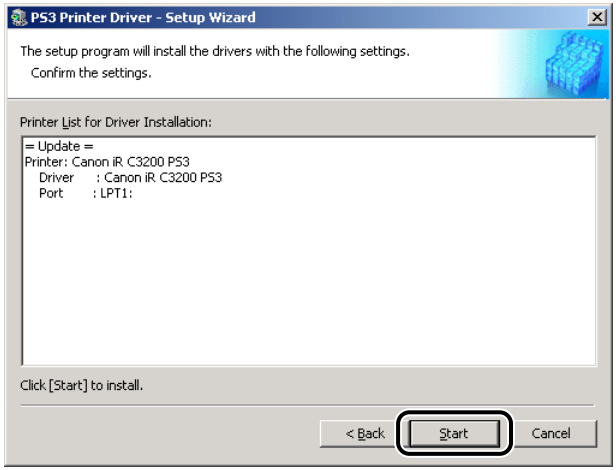
1 Start the Installer → follow the instructions in the dialog boxes.

See steps 1 to 6 of "Standard Installation," on p. 2-3.

2 Select [PS3 Printer Driver] → select [Update Existing Drivers] → click [Next].



3 **Verify the installation settings → click [Start].**



4 **After the files are copied, click [Exit] to finish the installation.**

Restart your computer when a message appears prompting you to do so.

The printer drivers already installed are now updated.

IMPORTANT

To use the updated alternate printer driver on the client PC, first uninstall the current printer driver → double-click the shared printer icon for the updated alternate printer driver on the server PC.

Using the Add Printer Wizard

1 **Insert the Software CD-ROM into the CD-ROM drive.**

2 **On the [Start] menu, point to [Settings] → click [Printers].**

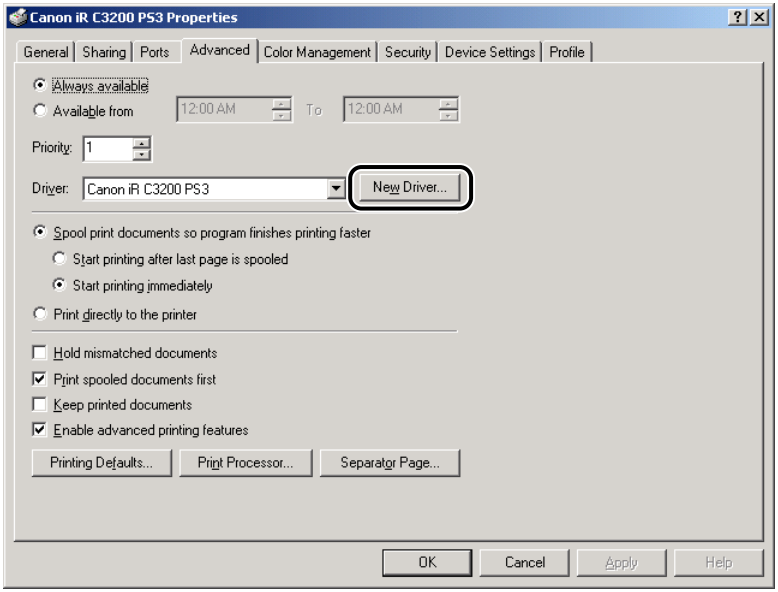
NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

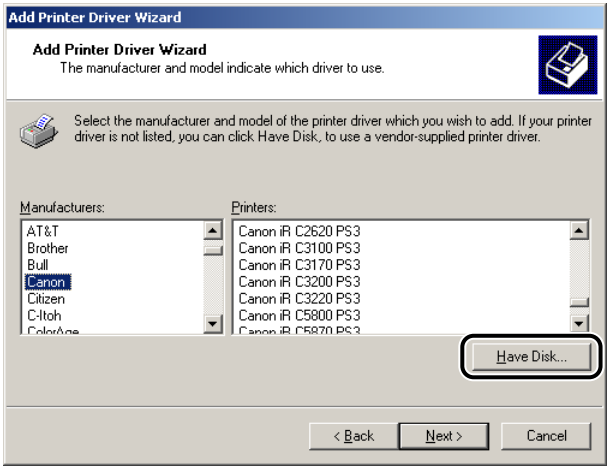
3 **In the [Printers] folder, right-click the printer icon for your printer → click [Properties].**

4 **Click the [Details] tab (Windows 98/Me) or [Advanced] tab (Windows 2000/XP/Server 2003).**

5 **Click [New Driver] → follow the instructions on the screen.**



6 **Click [Have Disk] to specify the driver path on the CD-ROM → follow the instructions on the screen.**



The printer driver is updated.

7 **Repeat steps 1 to 6 for all other existing drivers.**

8 **Restart the computer.**

9 **Check the printer configuration settings in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003), and then reconfigure them if they have been changed.**

NOTE

If you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to use the Job Accounting feature (see "Installing the Canon Driver Information Assist Service," on p. 2-34).

Updating the Alternate Printer Driver (Windows 2000/XP/Server 2003)

If you use a shared printer on a network, and an alternate printer driver is installed on the server, the alternate printer driver is updated simultaneously when you install a new driver with the Installer. To update the alternate printer driver manually without using the Installer, follow the procedure below.

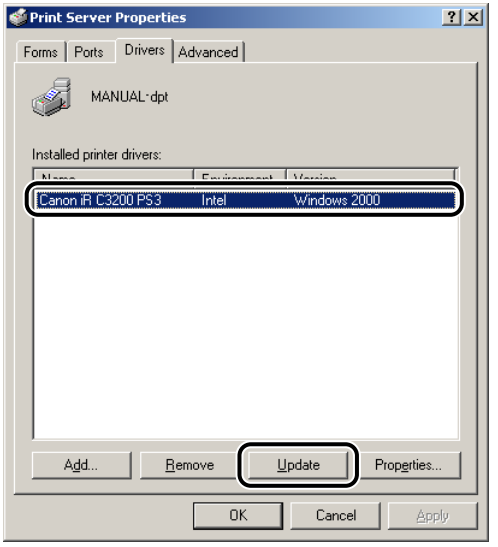
1 **On the [Start] menu, point to [Settings] → click [Printers].**

NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 **Click [Server Properties] on the [File] menu to open the [Print Server Properties] dialog box → click the [Drivers] tab.**

3 **Select the alternate printer driver you want to update → click [Update] (Windows 2000), [Replace] (Windows XP), or [Reinstall] (Windows Server 2003).**



4 **When a message appears prompting you to insert the CD-ROM, insert the Software CD-ROM into the CD-ROM drive → click [OK].**

5 **Click [Browse] to specify the driver path on the CD-ROM → click [OK].**

The alternate printer driver is updated.

IMPORTANT

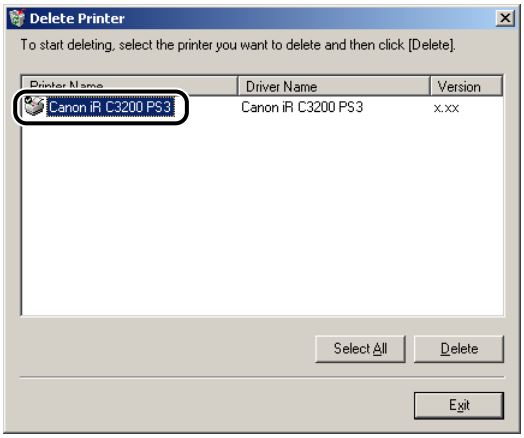
To use the updated printer driver on the client PC, first uninstall the current printer driver → double-click the shared printer icon for the updated alternate printer driver on the server PC.

Uninstalling the Printer Driver

It is recommended that you use the Uninstaller to uninstall an unnecessary driver.

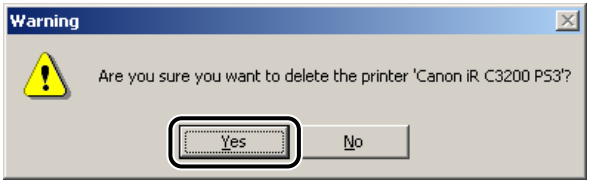
1 **On the [Start] menu, point to [Programs] → [Canon Printer Uninstaller] → click [PS3 Printer Driver Uninstaller].**

2 **In the [Delete Printer] dialog box, select the printer driver you want to delete.**

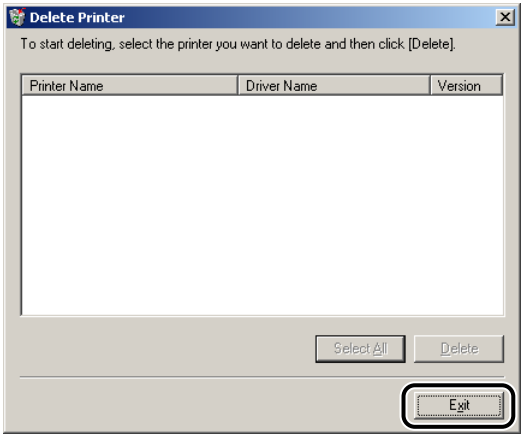


3 **Click [Delete].**

4 **Click [Yes] to confirm the deletion.**



5 Click [Exit] in the [Delete Printer] dialog box.



NOTE

You can also start the Uninstaller from the Software CD-ROM. To do so, double-click the [Uninstal.exe] icon in the following folder: \PS\us_eng\misc.

Setting Up the Printer Configuration

In order to use the functions of an optional unit attached to the printer, you need to specify the paper source options, output options, and other options in the printer driver, by setting up the printer configuration.

The printer configuration can be set up automatically while installing the driver, depending on the port selected for the machine. If the machine cannot be configured during the installation, follow the procedure below. There are two methods for setting up the printer configuration: automatic and manual.

Configuring Automatically

If your printer is connected to a network, you can set up the printer configuration automatically.

IMPORTANT

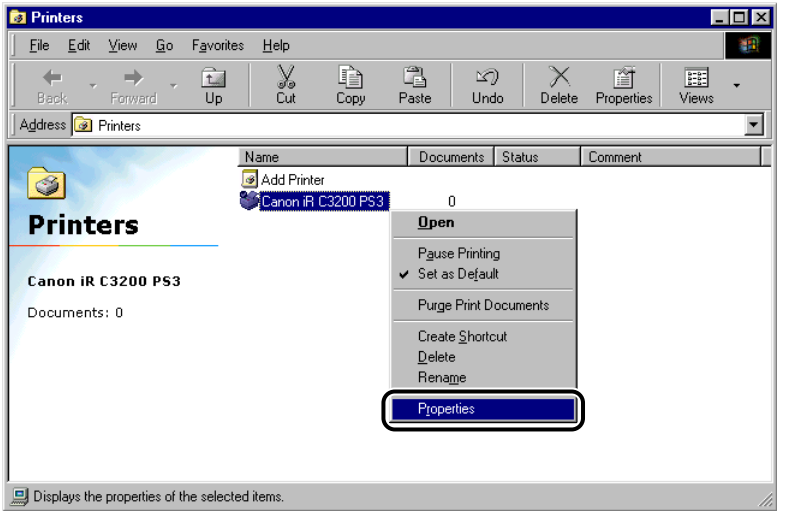
- If you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to set up the printer configuration automatically (see "Installing the Canon Driver Information Assist Service," on p. 2-34).
- If you are using a local printer (connected to an LPT port, USB port, etc.), you cannot set up the printer configuration automatically.

1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

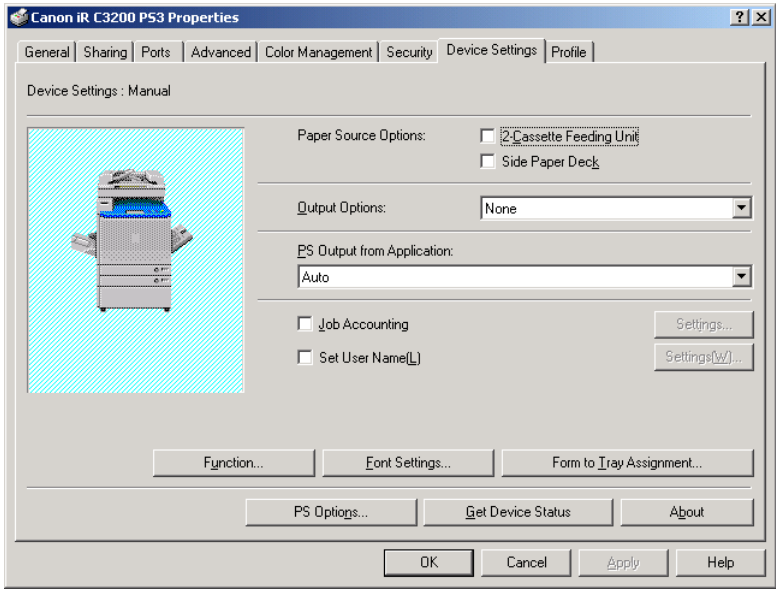
- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 **In the [Printers] folder, right-click the printer icon for your printer → click [Properties].**



3 In the printer properties dialog box, click the [Configuration] tab (Windows 98/Me) or [Device Settings] tab (Windows 2000/XP/Server 2003).

The [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003) is displayed.



4 Click [Get Device Status].

The detected information is displayed in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003).

5 Click [Yes] in the message box.

6 Click [OK].

If no information is detected, proceed to "Configuring Manually."

Configuring Manually

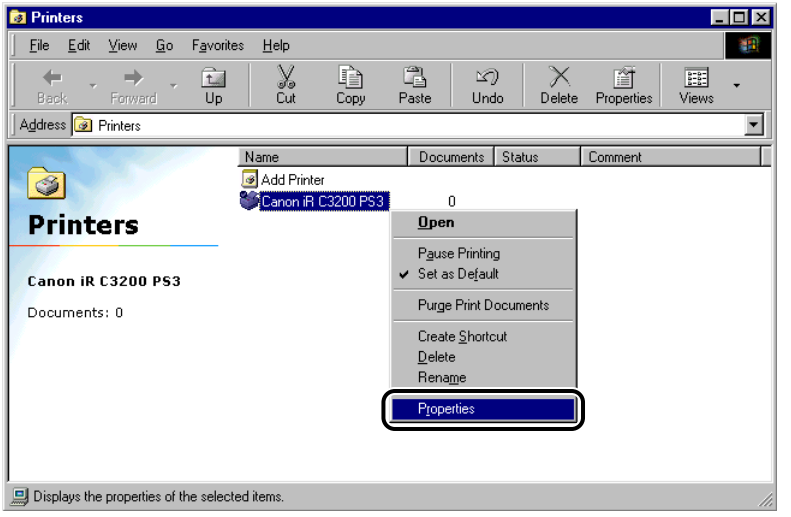
If you cannot set up the configuration automatically, specify the options manually in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003).

1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

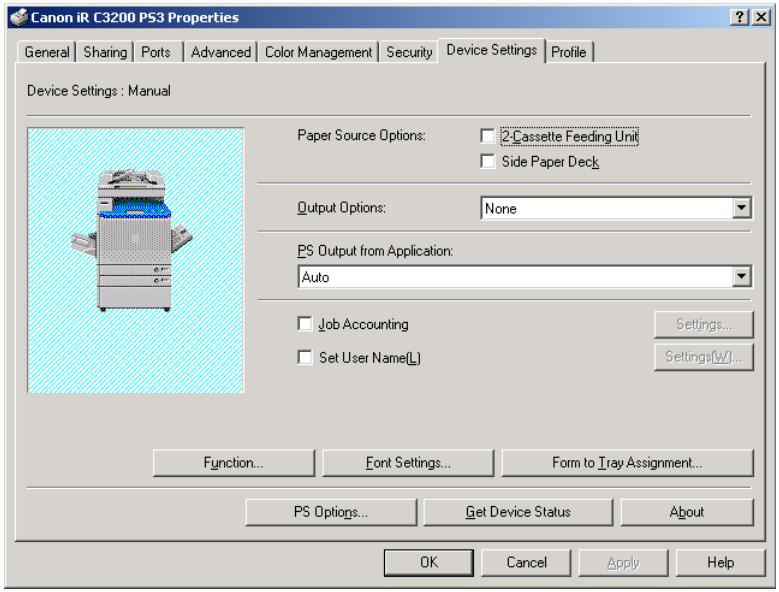
- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].



3 **In the printer properties dialog box, click the [Configuration] tab (Windows 98/Me) or [Device Settings] tab (Windows 2000/XP/Server 2003).**

The [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003) is displayed.



4 **Specify the paper source, output, and other options installed in the printer manually.**

5 **Click [OK].**

Configuring the Device Function Settings

If you cannot set up the printer configuration automatically (see "Setting Up the Printer Configuration," on p. 2-45), you need to specify the device functions manually.

The available functions vary depending on the version of the controller for your printer. The controller version must be configured in order to use the supported functions.

Configuring the Controller Version

IMPORTANT

For the Color imageRUNNER C3200, imageRUNNER C3170, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3300/2800/2200, imageRUNNER 3300i, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5000i, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070, it is necessary to perform the operations in this section.

1 Print the Configuration Page.

- ❑ On the printer control panel, press (Additional Functions).
- ❑ Press [Report Settings] → [Printer] under <Print List>.
- ❑ Press [PS] → [Configuration Page] → [Yes].

NOTE

- The procedure of printing the Configuration Page differs depending on the model of the printer you are using.
- The Controller Function ID and Function Version may not print out depending on the model of the printer you are using.

2 Confirm the Controller Function ID and Function Version printed on the Configuration Page.

3 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

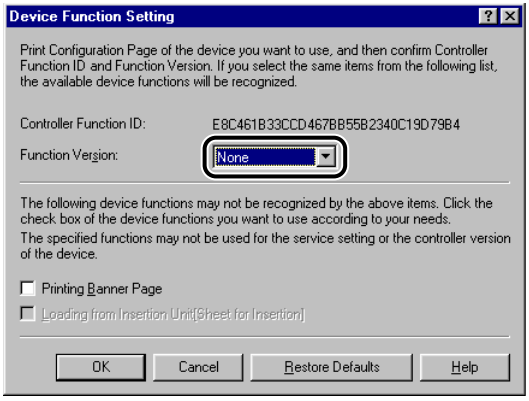
4 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].

5 In the printer properties dialog box, click the [Configuration] tab (Windows 98/Me) or [Device Settings] tab (Windows 2000/XP/Server 2003).

6 Click [Function].

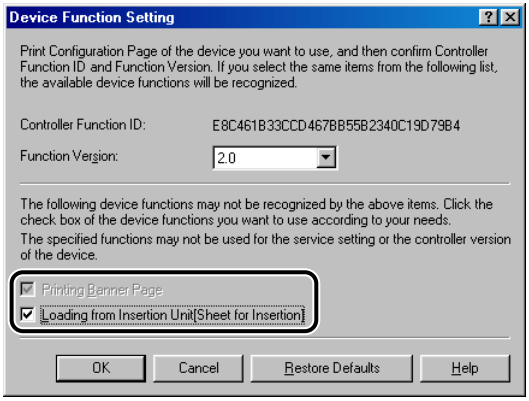
The [Device Function Setting] dialog box opens.

7 Specify the Function Version confirmed in step 2.



If the Controller Function ID and Function Version are not printed on the Configuration Page, select [None] from [Function Version].

8 Select the functions you want to use.



NOTE

Depending on the corresponding function settings and controller version of your printer, some functions may not be available.

9 Click [OK].

The [Device Function Setting] dialog box closes.

10 Click [OK].

The functions you selected in step 8 become available in the printer properties dialog box.

Printing a Document

To print a document, follow the procedure below.

1 **In the application software, with the document open, select [Print] to print your document.**

2 **In the [Print] dialog box, select your printer from [Name] → click [Properties].**

The printer properties dialog box opens.

3 **Specify the various print settings in the printer properties dialog box. To switch between sheets, click the tabs for the [Page Setup], [Finishing], [Paper Source], and [Quality] sheets.**

You can also specify the various print settings by selecting a profile.

NOTE

For more information on using the print options, see Chapter 3, "Basic Print Options," or the Online Help.

4 **After all the print settings are specified, click [OK] in the printer properties dialog box.**

5 **Click [OK] in the [Print] dialog box.**

The document is printed with the settings you specified.

Basic Print Options

CHAPTER 3

This chapter describes instructions for specifying the various basic settings for printing a document.

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- Windows 2000/XP/Server 2003 3-5

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- Selecting a Profile for Printing 3-8
- Adding or Editing Profiles 3-9
- Adding or Editing Profiles in the Profile Sheet (Windows 2000/XP/Server 2003) 3-10

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Accessing the Printer Properties Dialog Box

The printer properties dialog box of the printer driver contains many settings that enable you to set up and control your printer. The available settings vary depending on how you access the printer properties dialog box. To access the printer properties dialog box, follow the procedure below for your version of Windows.

Windows 98/Me

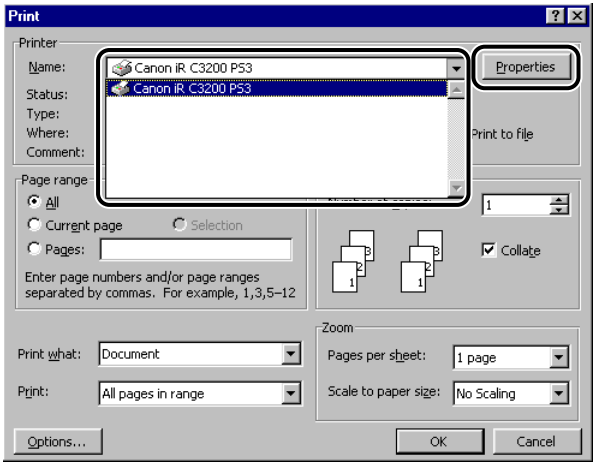
If you access the printer properties dialog box from application software, the specified settings are available for the current print job.

If you access the printer properties dialog box from the [Printers] folder, you can set up the printer configuration or specify the default printer driver settings for every print job.

Accessing the Printer Properties Dialog Box from Application Software

1 In the application software, select [Print] to display the [Print] dialog box.

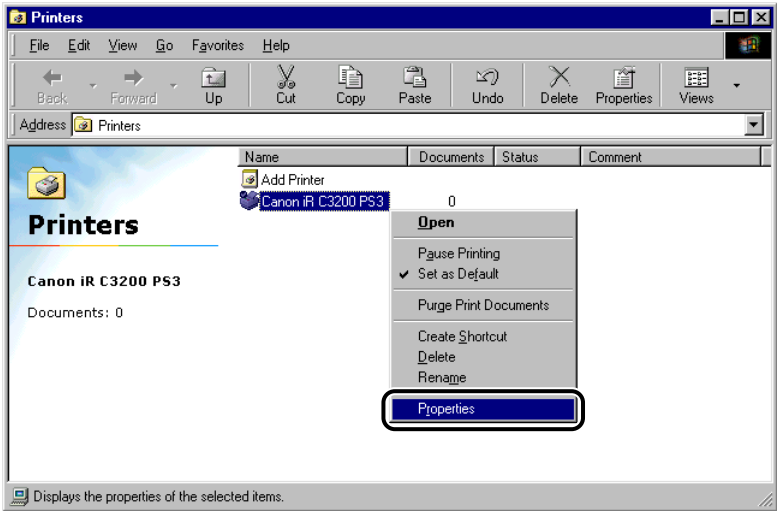
2 **Select your printer name from the drop-down list box → click [Properties].**



Accessing the Printer Properties Dialog Box from the Printers Folder

1 **On the [Start] menu, point to [Settings] → click [Printers].**

2 **In the [Printers] folder, right-click the printer icon for your printer → click [Properties].**



Windows 2000/XP/Server 2003

You can access the printer properties dialog box and the printing preferences dialog box in Windows 2000/XP/Server 2003.

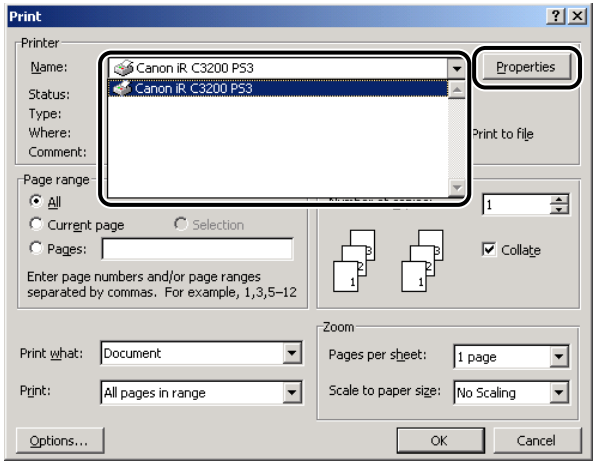
In the printer properties dialog box and the printing preferences dialog box, you can specify the printer driver settings and set up the printer configuration.

Accessing the Printer Properties Dialog Box from Application Software

If you access the printer properties dialog box from application software, the specified settings are available for the current print job.

1 In the application software, select [Print] to display the [Print] dialog box.

2 Select your printer from the drop-down list box → click [Properties].



Accessing the Printing Preferences Dialog Box from the Printers Folder

If you access the printing preferences dialog box from the [Printers] folder, you can specify the default printer driver settings for every print job.

NOTE

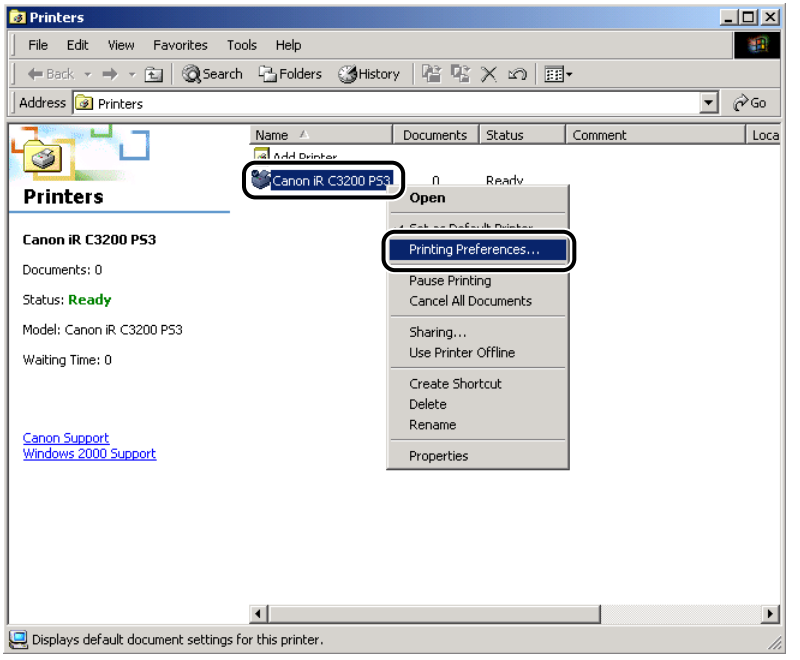
To access the printing preferences dialog box from the [Printers] folder, you need to be assigned Full Control Permission for the printer.

1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, right-click the printer icon for your printer → click [Printing Preferences].



Accessing the Printer Properties Dialog Box from the Printers Folder

You can set up the printer configuration in the printer properties dialog box.

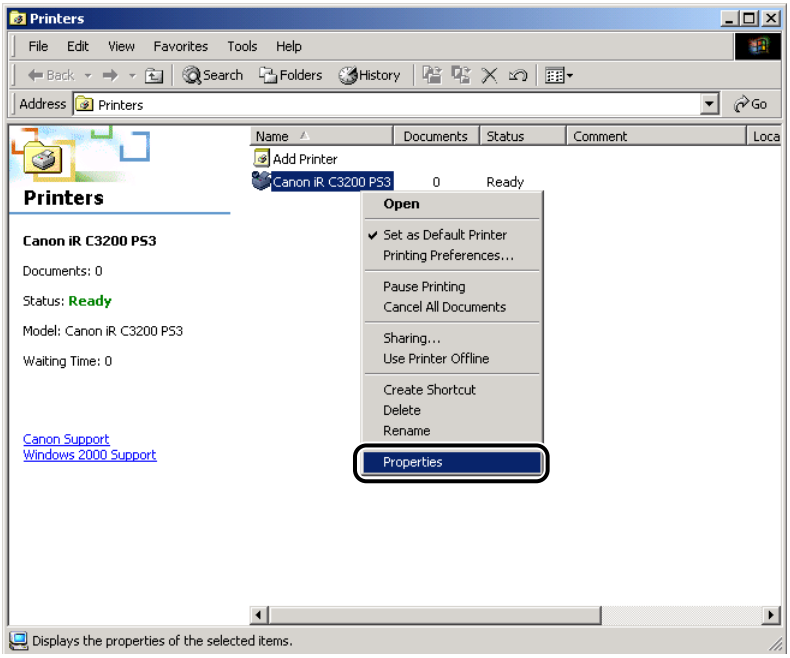
There are additional options (reflected in additional tabs/sheets) if you are accessing the printer properties dialog box from the [Printers] folder. This method should be used when setting the configuration for the first time.

1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].



Using Profiles for Printing

This section describes what a profile is, how to select a profile, and how to add or edit profiles.

What Is a Profile?

Various printer driver settings are saved as profiles. You can also save printer driver settings that you frequently use as profiles. If you select a profile, the document is printed with the saved settings.

Selecting a Profile for Printing

If you select a profile, the document is printed with the settings of the selected profile.

NOTE

For Windows 2000/XP/Server 2003, you can select a profile only if [Allow Profile Selection] is selected in the [Profile] sheet in the printer properties dialog box.

1 **From the printer properties dialog box, display either the [Page Setup], [Finishing], [Paper Source], or [Quality] sheet.**

2 **Select the profile you want from [Profile].**

3 **Click [OK].**

Adding or Editing Profiles

You can add your own profiles, or edit the names, icons, or comments of the customized profiles. To add or edit profiles, follow the procedure below.

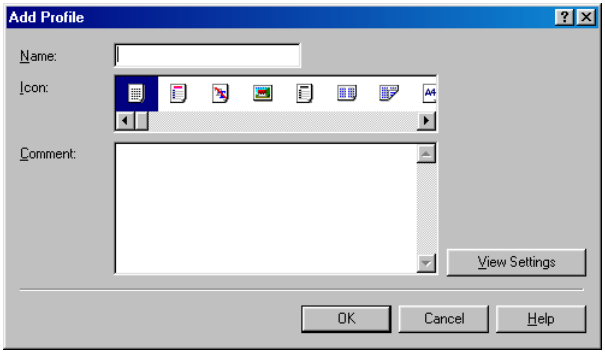
NOTE

For Windows 2000/XP/Server 2003, this option is available if [Allow Setting Edition] is selected in the [Profile] sheet in the printer properties dialog box.

1 From the printer properties dialog box, specify the printer driver settings for the customized profile in the [Page Setup], [Finishing], [Paper Source], and [Quality] sheets.

2 Click [ ] (Add Profile) or [ ] (Edit Profile) at the right of [Profile].

The [Add Profile] or [Edit Profile] dialog box opens.



3 Specify the name, icon, and comment of the profile → click [OK].

Adding or Editing Profiles in the Profile Sheet (Windows 2000/XP/Server 2003)

Profiles specified in the printer properties dialog box that is opened from the [Printers] folder can be accessed and used by all the clients connected to the server.

1 On the [Start] menu, point to [Settings] → click [Printers].

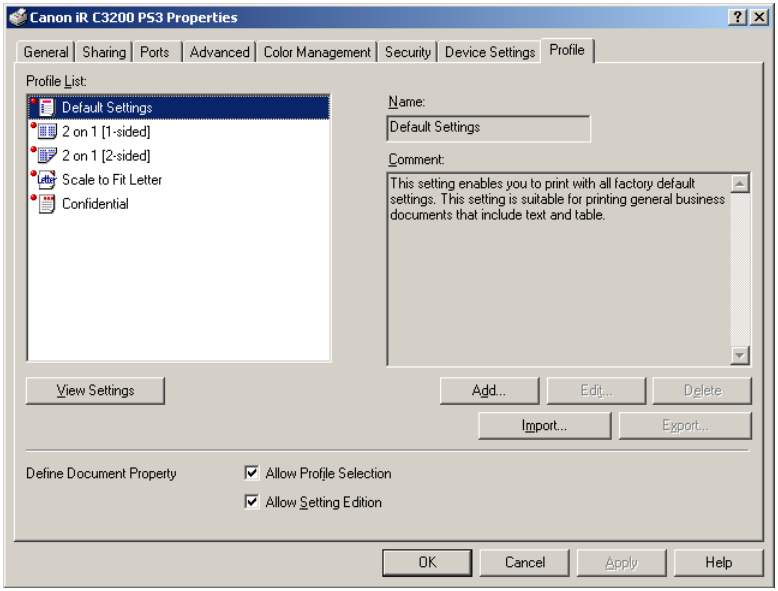
NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].

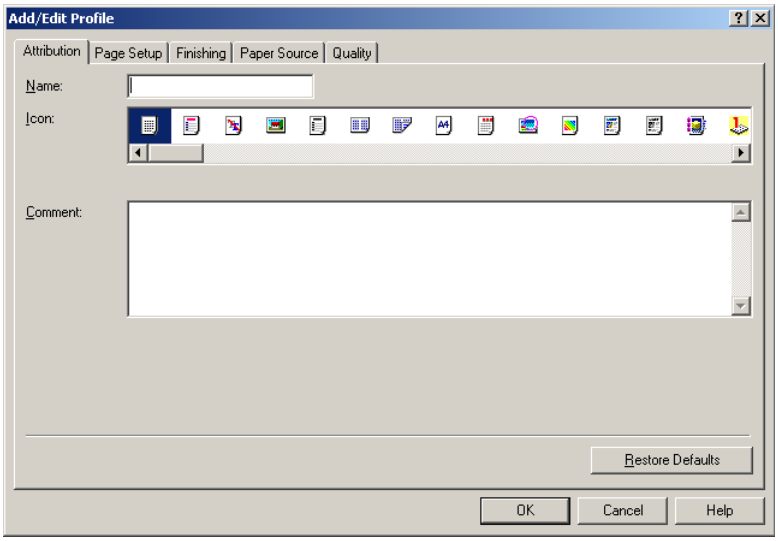
3 In the printer properties dialog box, click the [Profile] tab.

The [Profile] sheet is displayed.



4 Click [Add] or [Edit].

The [Add/Edit Profile] dialog box opens.



5 Specify the settings for the profile in the [Page Setup], [Finishing], [Paper Source], and [Quality] sheets.

6 Display the [Attribution] sheet.

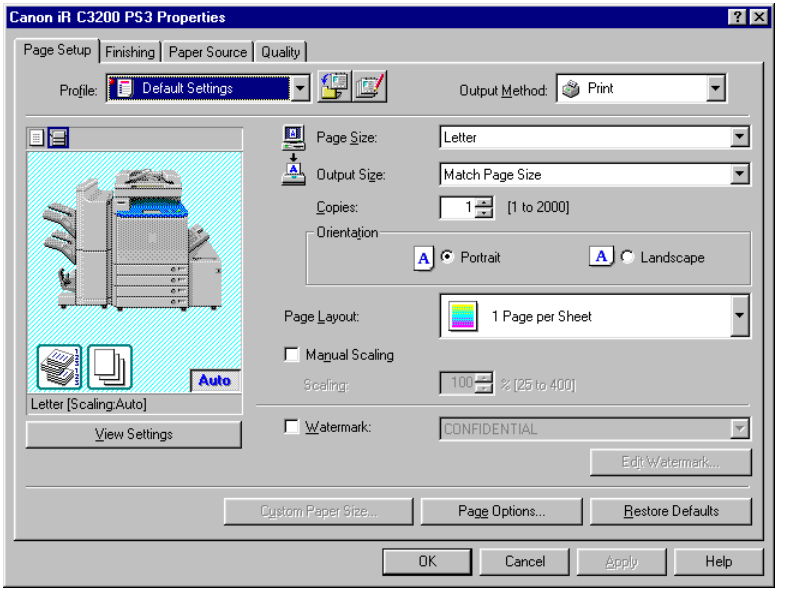
7 Specify the name, icon, and comment of the profile → click [OK].

Scaling a Document

There are two methods for scaling a document: select the output size of the document to scale it automatically, or specify the scaling value manually.

Scaling a Document Automatically

1 From the printer properties dialog box, display the [Page Setup] sheet.



2 Select the page size from [Page Size].

If this driver setting is inaccessible from the application software, click [Printer Settings] or [Page Settings] (depending on the application software) on the [File] menu to specify the page size.

3 Select the actual paper size to print on from [Output Size].

4 Click [OK].

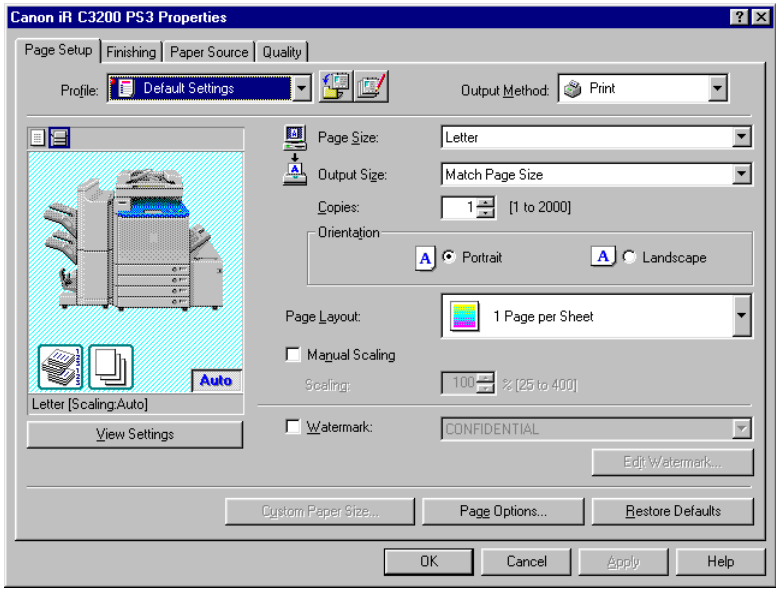
The scaling is set automatically according to the sizes specified in [Page Size] and [Output Size].

NOTE

If the value is less than 25% or more than 400%, the document is printed without scaling on the paper specified in [Output Size].

Scaling a Document Manually

1 From the printer properties dialog box, display the [Page Setup] sheet.



2 Select the page size from [Page Size].

If this driver setting is inaccessible from the application software, click [Printer Settings] or [Page Settings] (depending on the application software) on the [File] menu to specify the page size.

3 Select the actual paper size to print on from [Output Size].

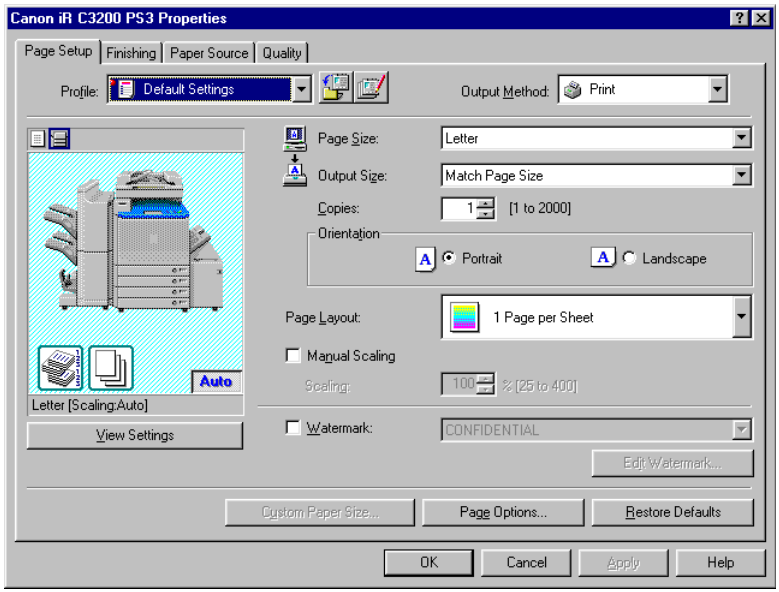
4 **Select [Manual Scaling] → specify the desired scaling value from 25% to 400%.**

5 **Click [OK].**

Printing Multiple Pages on One Sheet

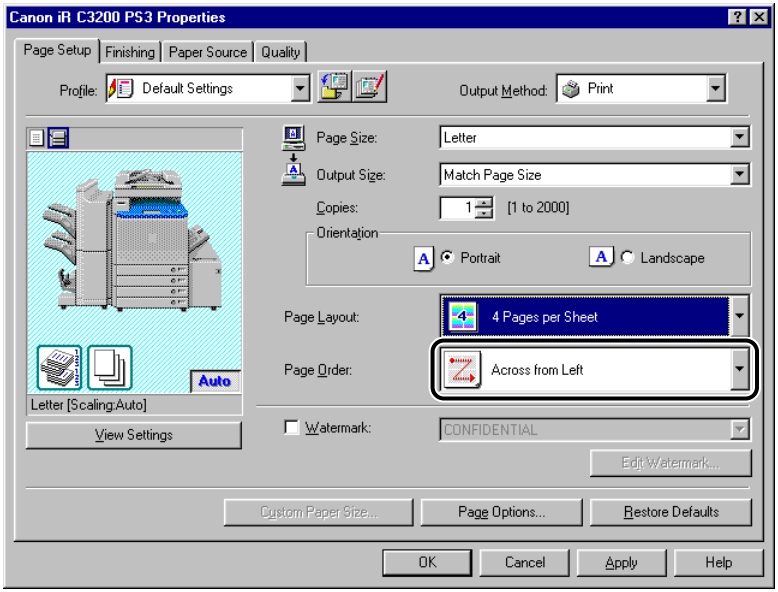
Multiple pages can be printed on one sheet of paper. The numbers of document pages which can be printed on one sheet of paper are 2, 4, 6, 8, 9, and 16.

1 **From the printer properties dialog box, display the [Page Setup] sheet.**



2 **Select the required page layout from [Page Layout].**

3 **Select the required page order layout from [Page Order].**

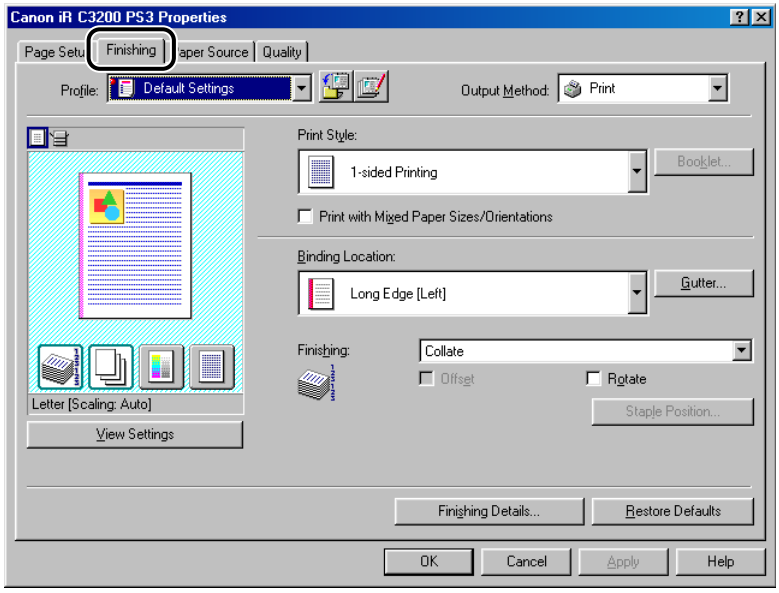


4 **Click [OK].**

Two-Sided Printing

Two-sided printing prints a document on both sides of the paper.

1 From the printer properties dialog box, click the [Finishing] tab.

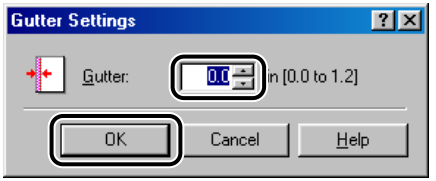


2 Select [2-sided Printing] from [Print Style].

3 Select the required binding edge for the paper printout from [Binding Location].

If the [Binding Location] option is selected, the document and margins are positioned correctly on the pages for two-sided printing.

4 **If you want to set the gutter width, click [Gutter] to open the [Gutter Settings] dialog box → specify the value in [Gutter] → click [OK].**



If you do not set the gutter width, proceed to step 5.

5 **Click [OK] in the [Finishing] sheet.**

Specifying the Finishing Options

This section describes how to select a finishing option and how to use Booklet Printing.

Selecting a Finishing Option

The various options in the [Finishing] sheet enable you to select the most appropriate tray output method for each document.

Selecting the Output Option

The available output options are:

Collate Outputs sorted copies of the document in correct binding order into the output tray.

Group Outputs document pages in groups into the output tray.

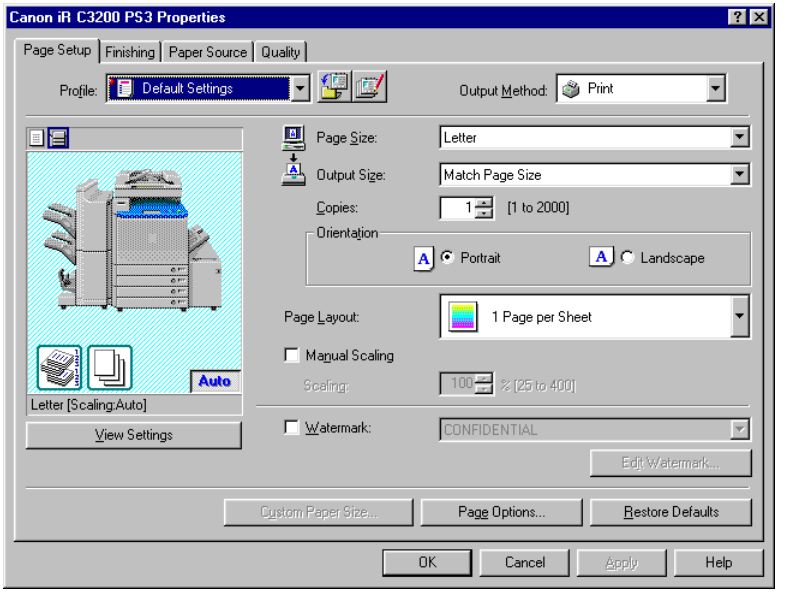
Staple & Collate Outputs sorted and stapled copies of the document into the output tray.

Staple & Group Outputs document pages in stapled batches into the output tray.

NOTE

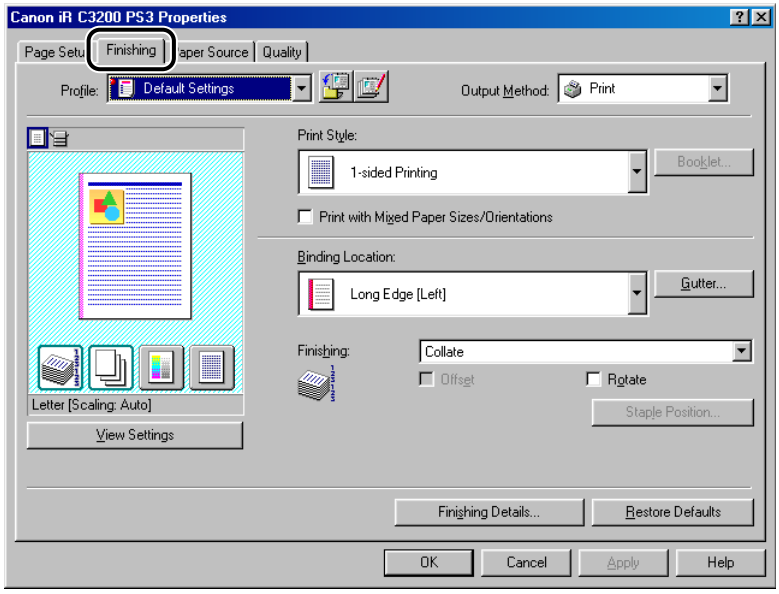
- The available finishing options vary, depending on the printer model you use or output options attached to the printer.
- When a collate option is available in the [Print] dialog box of the application software, the Collate option setting of the printer driver has priority, regardless of the same setting in the application software. However, in some application software, output is collated when the collate option is selected in the application software even if the Collate option is not selected in the printer driver.
- To output document pages using the Group option, you must select [Group] in the printer driver, regardless of a group option setting in the [Print] dialog box of the application software.

1 **From the printer properties dialog box, display the [Page Setup] sheet.**



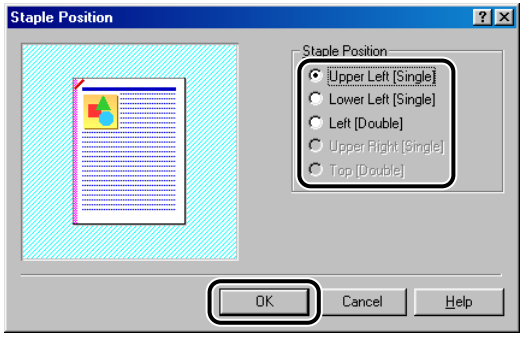
2 **Specify the number of copies to print in [Copies].**

3 **Click the [Finishing] tab.**



4 **Select a finishing option, such as [Collate], [Group], [Staple & Collate], or [Staple & Group], under [Finishing] sheet.**

5 **If you selected [Staple & Collate] or [Staple & Group], click [Staple Position] → specify the position to staple in the [Staple Position] dialog box → click [OK].**



If you did not select [Staple & Collate] or [Staple & Group], proceed to step 6.

6 **Select [Rotate] if you want to output copies of a document turned at a 90 degree angle for each copy.**

If you do not use this option, proceed to step 7.

NOTE

Rotate is available only if a finisher or a saddle finisher is not attached to the printer.

7 **Click [OK] in the [Finishing] sheet.**

Booklet Printing

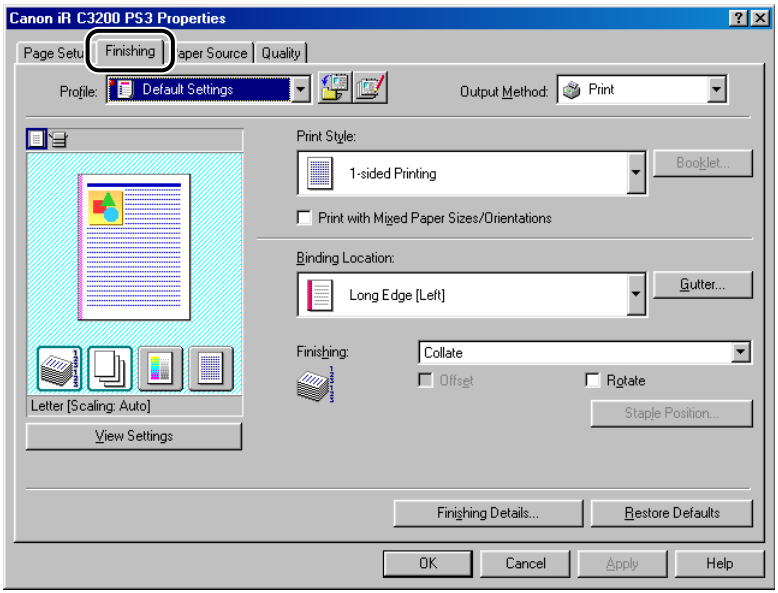
Booklet Printing enables you to print the pages of a document as a booklet.

NOTE

For the Color imageRUNNER C2620, Color imageRUNNER C3200, Color imageRUNNER C3220, imageRUNNER C3100, imageRUNNER C5800, and imageRUNNER C6800, Booklet Printing is not available if:

- [On] is selected for [PS Output from Application] in the [Configuration] sheet (Windows 98/Me) or in the [Device Settings] sheet (Windows 2000/XP/Server 2003).

1 From the printer properties dialog box, click the [Finishing] tab.



2 Select [Booklet Printing] from [Print Style].

3 Select [Saddle Stitch] if you want to saddle stitch the booklet.

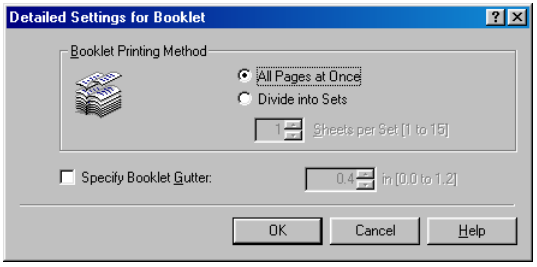
If you do not use this option, proceed to step 4.

NOTE

- Saddle stitching is the process of folding several sheets in half and stapling them at the spine to form a multipaged booklet or publication.
- Saddle stitch printing is available only if a saddle finisher is attached to the printer.

4 Click [Booklet].

The [Detailed Settings for Booklet] dialog box opens.



5 Specify the detailed settings → click [OK].

6 Click [OK] in the [Finishing] sheet.

NOTE

You can use different paper for the cover page of the booklet. Select [Different for Cover and Others] under [Paper Selection] in the [Paper Source] sheet → specify the paper source for the cover page and body pages of the document (see "Printing the Cover and Body Pages of a Booklet from Different Paper Sources" on p. 3-36).

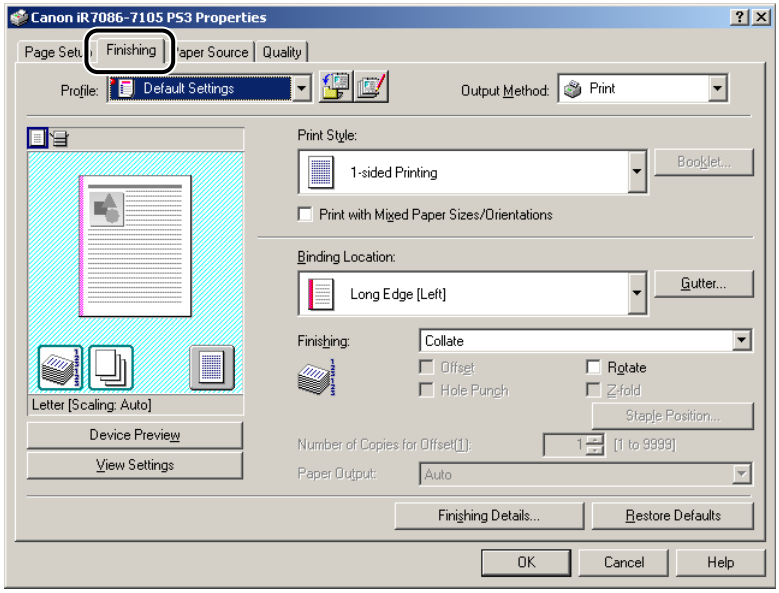
Using Creep Correction for Booklet Printing

You can set Creep Correction when booklet printing. Creep Correction is used to adjust the margins so that the printing position displacement of the outer and inner pages due to the thickness of the bound sheets does not occur. This ensures that the margins on all pages are in alignment after the page edges are cut by the trimmer.

NOTE

This option is available for the Color imageRUNNER C2880, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, and imageRUNNER 7105/7095/7086.

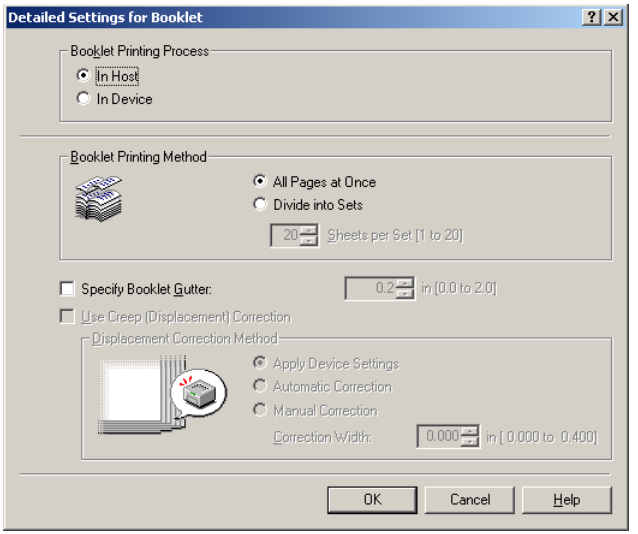
1 From the printer properties dialog box, click the [Finishing] tab.



2 Select [Booklet Printing] for [Print Style].

3 Click [Booklet].

The [Detailed Settings for Booklet] dialog box opens.



4 Select [In Device] for [Booklet Printing Process].

5 Select [Use Creep (Displacement) Correction] → set how the printing position shift amount is to be adjusted under [Displacement Correction Method] → click [OK].

6 Click [OK] in the [Finishing] sheet.

Perfect Binding

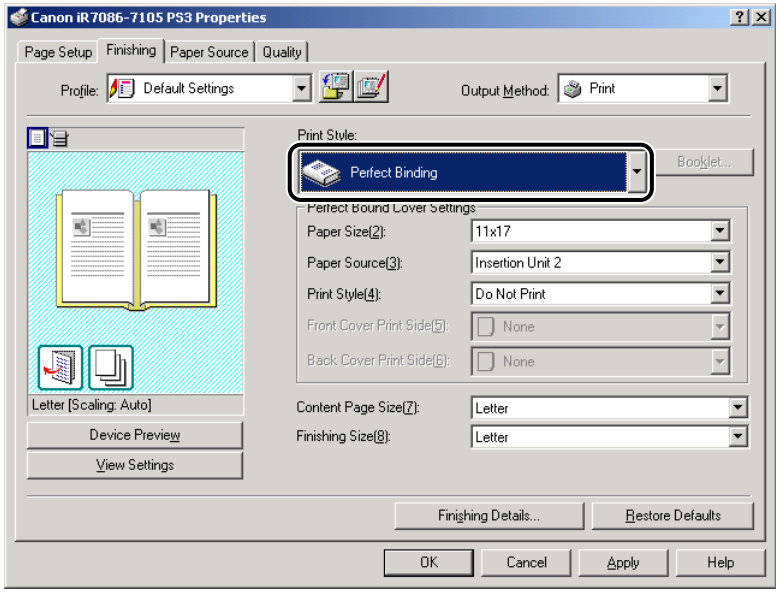
You can perform Perfect Binding in addition to normal booklet printing. Perfect Binding is a function that glues the binding sides of the body pages of a document to a cover that encloses them, to produce a booklet.

NOTE

- This option is available for the imageRUNNER 7105/7095/7086.
- Perfect Binding is available only if a perfect binder is attached to the printer.

1 **From the printer properties dialog box, click the [Finishing] tab.**

2 **Select [Perfect Binding] from [Print Style].**



3 **Set the paper size, paper source, print style, and front/back cover print side, under [Perfect Bound Cover Settings].**

4 **Select the paper size for content pages from [Content Page Size].**

5 **Select the final finished size of the booklet from [Finishing Size].**

6 **Click [OK] in the [Finishing] sheet.**

NOTE

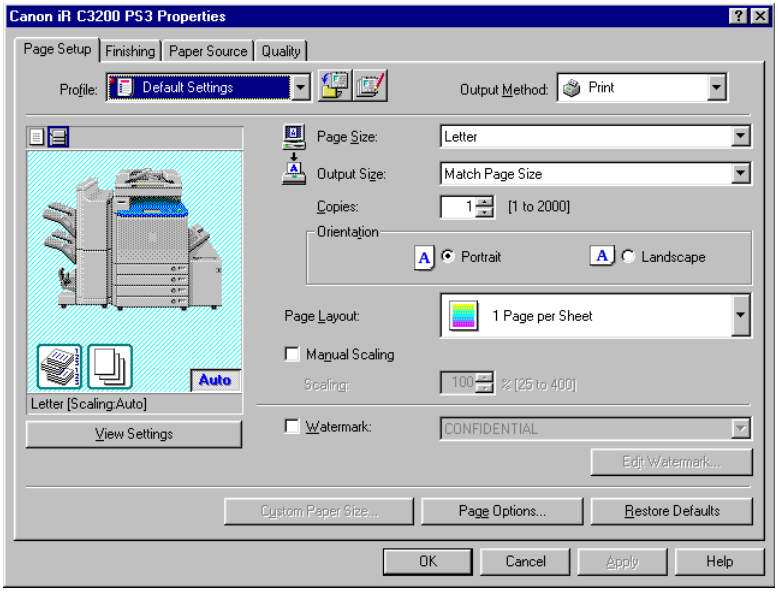
Refer to the figure below to confirm the front/back cover print side settings.



Printing with Mixed Paper Sizes

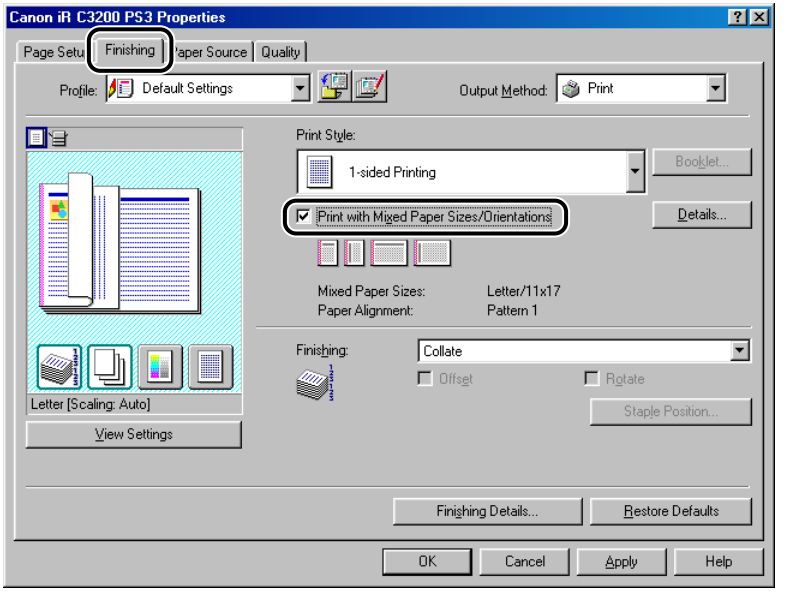
You can print a document correctly oriented for stapling consisting of mixed paper sizes, such as A4 and A3, or Letter and 11x17.

1 From the printer properties dialog box, display the [Page Setup] sheet.



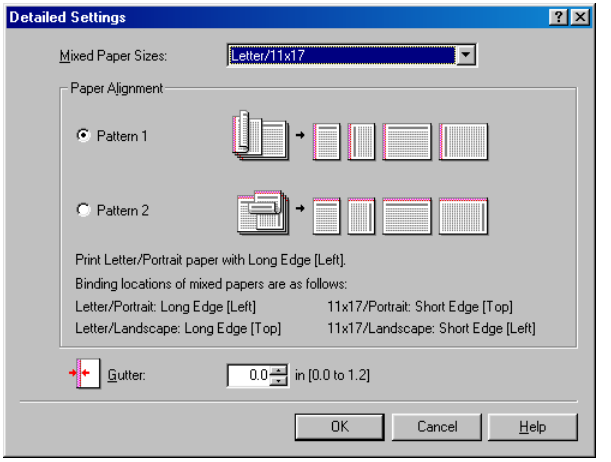
2 Specify the page size of the first page of the document from [Page Size].

3 Click the [Finishing] tab → select [Print with Mixed Paper Sizes/Orientations].



4 Click [Details].

The [Detailed Settings] dialog box opens.



5 **Select the combination of mixed paper sizes from [Mixed Paper Sizes].**

A list of paper size combinations based on the paper size specified in [Page Size] in the [Page Setup] sheet is displayed in the drop-down list box.

6 **Select the pattern of the print orientation and binding location for the combined paper sizes under [Paper Alignment].**

7 **Specify the gutter width in [Gutter].**

8 **Click [OK].**

The [Detailed Settings] dialog box closes.

9 **Select the required options, such as [Staple & Collate] or [Offset], under [Finishing] in the [Finishing] sheet.**

10 **Click [OK].**

Specifying the Paper Source

The [Paper Source] sheet enables you to specify the settings for the paper source.

The type of paper and loading method can be set under [Paper Selection].

Use the Paper Selection setting to specify whether to print all the pages from one paper source or to print the pages from different paper sources.

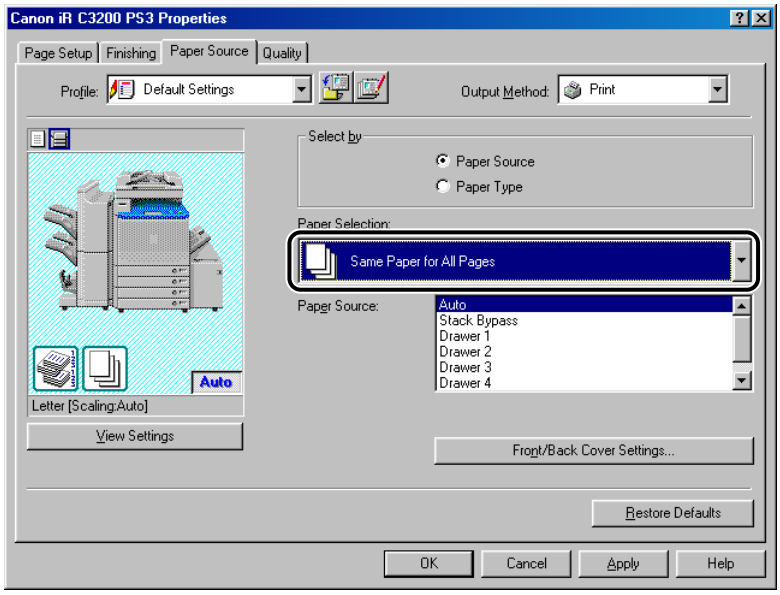
NOTE

- You can also specify whether the paper loading method is according to paper source or paper type. To specify the paper loading method, select [Paper Source] or [Paper Type] under [Select by] in the [Paper Source] sheet.
- For the imagePRESS C1, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, and imageRUNNER 3045, you can also specify the paper source and print documents using various paper types registered in the printer. For detailed instruction on how to specify and use custom paper types, see the Online Help.

Printing All the Pages from the Same Paper Source

1 From the printer properties dialog box, click the [Paper Source] tab.

2 **Select [Same Paper for All Pages] from [Paper Selection].**



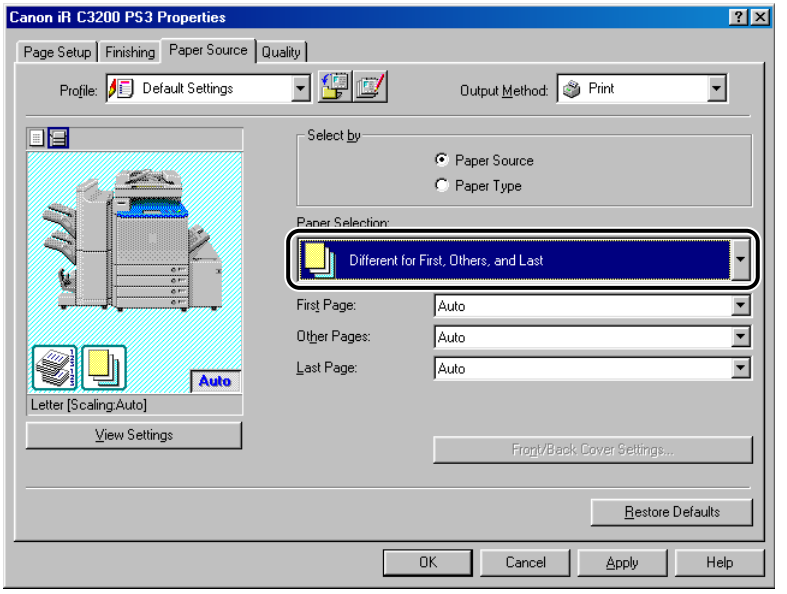
3 **Select the paper source required from [Paper Source].**

4 **Click [OK].**

Printing the First, Body, and Last Pages from Different Paper Sources

1 **From the printer properties dialog box, click the [Paper Source] tab.**

2 **Select [Different for First, Others, and Last] from [Paper Selection].**



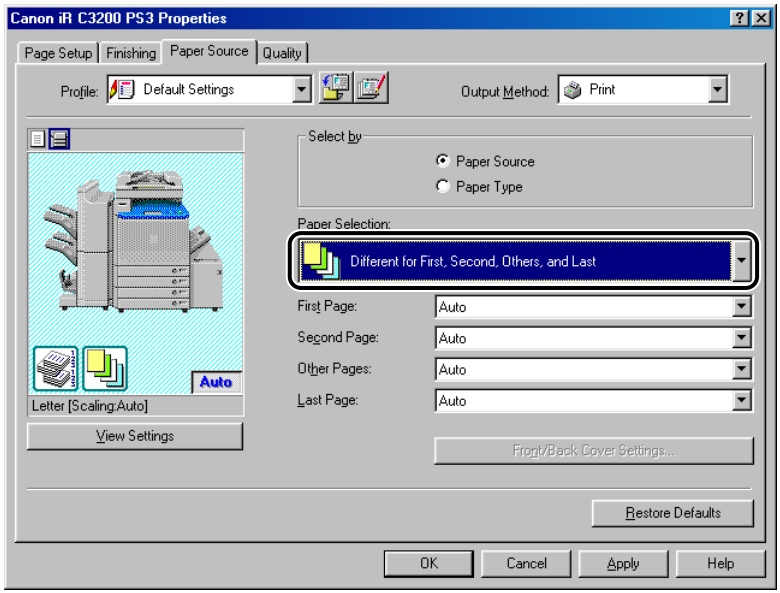
3 **Select the paper sources required for the first, body, and last pages from [First Page], [Other Pages], and [Last Page].**

4 **Click [OK].**

Printing the First, Second, Body, and Last Pages from Different Paper Sources

1 **From the printer properties dialog box, click the [Paper Source] tab.**

2 **Select [Different for First, Second, Others, and Last] from [Paper Selection].**



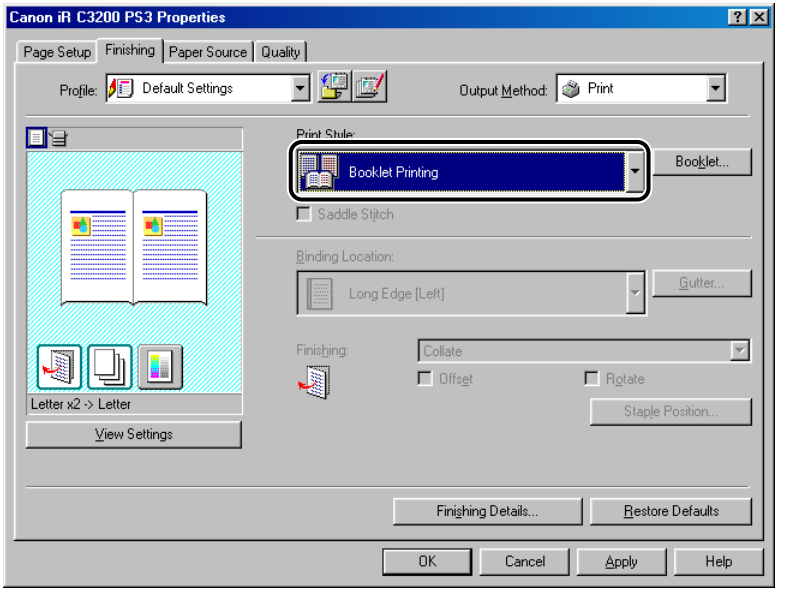
3 **Select the paper sources required for the first, second, body, and last pages from [First Page], [Second Page], [Other Pages], and [Last Page].**

4 **Click [OK].**

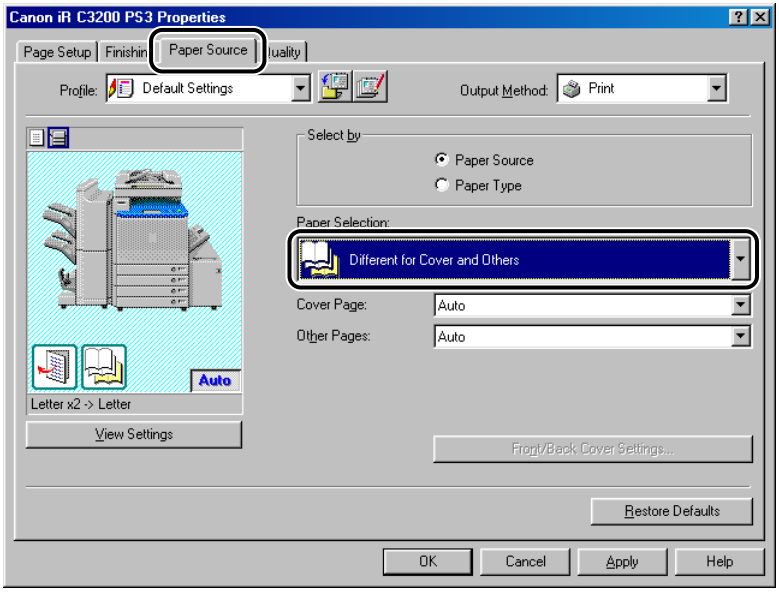
Printing the Cover and Body Pages of a Booklet from Different Paper Sources

1 **From the printer properties dialog box, click the [Finishing] tab.**

2 **Select [Booklet Printing] from [Print Style].**



3 **Click the [Paper Source] tab → select [Different for Cover and Others] from [Paper Selection].**

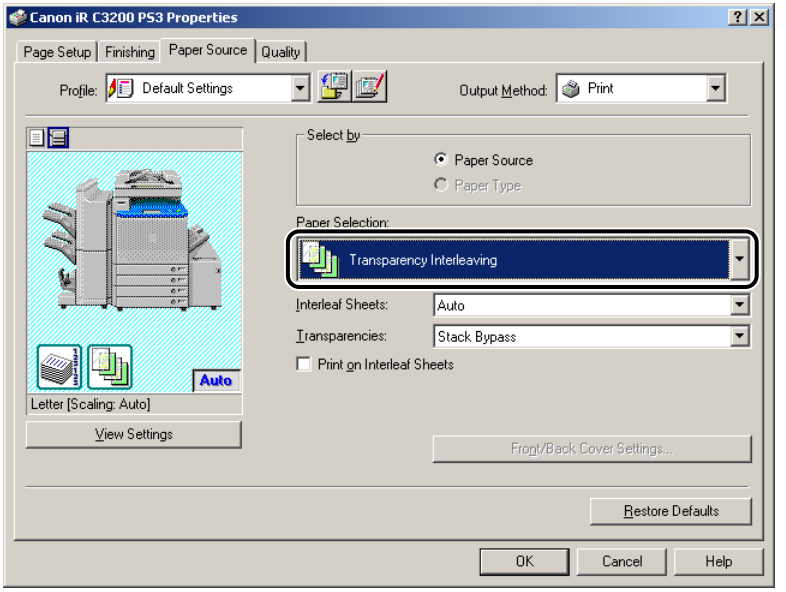


4 **Select the paper sources required for the cover and body pages from [Cover Page] and [Other Pages].**

5 **Click [OK].**

1 From the printer properties dialog box, click the [Paper Source] tab.

2 Select [Transparency Interleaving] from [Paper Selection].



3 Select the paper source required for the transparencies and interleaf sheets from [Transparencies] and [Interleaf Sheets].

4 Select [Print on Interleaf Sheets] if you want to print the same data on the interleaving and transparencies.

5 Click [OK].

Using Cover or Sheet Insertion Options

You can add front and back covers, sheet insertions, or chapter pages to the document using a paper source different from that used for body pages. You can also insert tab paper into the document.

NOTE

To use these options, you need to specify the printer controller version (see "Configuring the Device Function Settings," on p. 2-50).

Adding Front or Back Covers to the Document

You can add front and back covers to documents when printing. Also, you can specify on which side of the front or back cover to print, separately.

NOTE

- Depending on the controller version of the printer you are using, this option may not be available.
- If [Group] or [Rotate] is selected for [Finishing] in the [Finishing] sheet, or [On] is selected for [PS Output from Application] in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003), this option is not available.
- If [Store] is selected for [Output Method], this option may not be available depending on the printer model or the controller version of the printer.

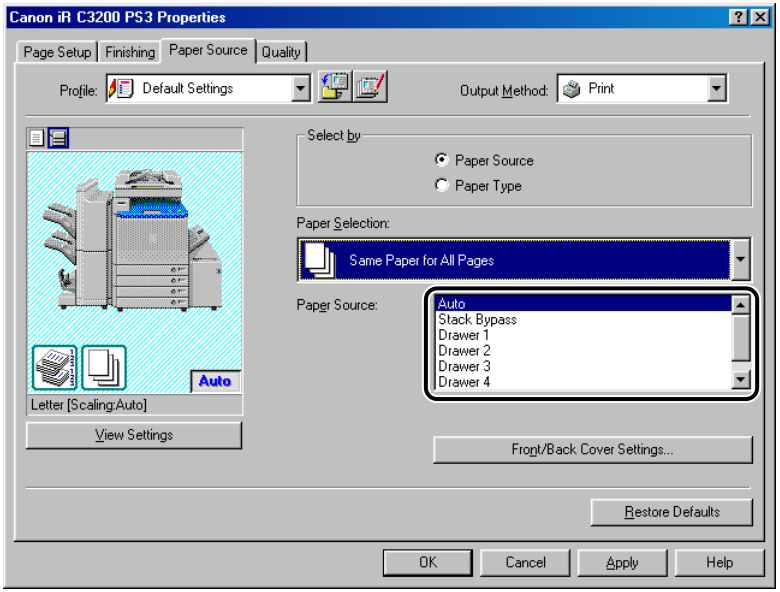
1 From the printer properties dialog box, click the [Paper Source] tab.

2 Specify the paper source or paper type for the body pages of the document.

● **If you want to use the same type of paper for all body pages:**

❑ Select [Same Paper for All Pages] from [Paper Selection].

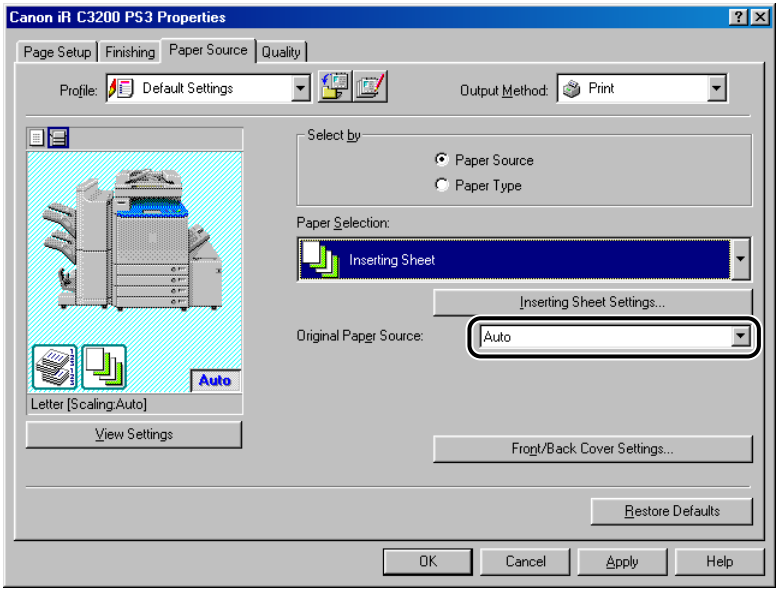
❑ Select the paper source from [Paper Source] or [Paper Type].



● **If you want to insert sheets into body pages for separation:**

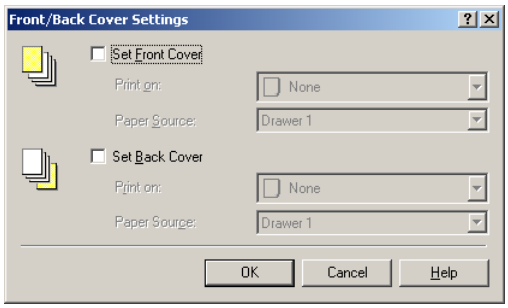
❑ Select [Inserting Sheet] from [Paper Selection].

❑ Select the paper source from [Original Paper Source] or [Original Paper Type].



3 Click [Front/Back Cover Settings].

The [Front/Back Cover Settings] dialog box opens.



4 Select [Set Front Cover] and [Set Back Cover] to add front and back covers.

You can select either or both.

5 Select the side of paper to print on from [Print on].

6 Select the paper source for front and back covers from [Paper Source].

7 Click [OK].

The [Front/Back Cover Settings] dialog box closes.

8 Click [OK].

Inserting Sheets into the Document

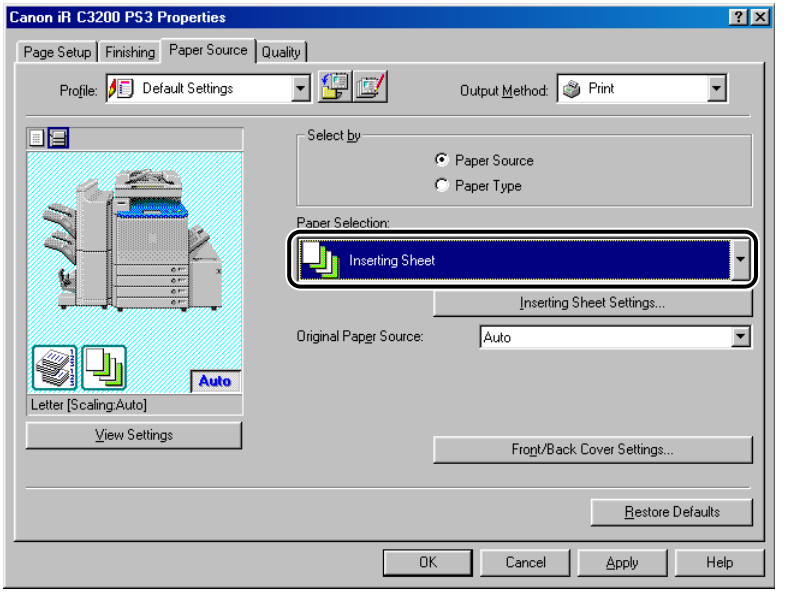
You can insert blank sheets into documents for clearer distinction among sections, or insert sheets to use as chapter pages, which are useful to separate the document into chapters. You can also print on the inserted sheets.

NOTE

- Depending on the controller version of the printer you are using, this option may not be available.
- Up to 20 inserted sheets or chapter pages can be inserted into one document.
- If [Group] or [Rotate] is selected for [Finishing] in the [Finishing] sheet, or [On] is selected for [PS Output from Application] in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003), this option is not available.
- If [Store] is selected for [Output Method], this option may not be available depending on the printer model or the controller version of the printer.

1 **From the printer properties dialog box, click the [Paper Source] tab.**

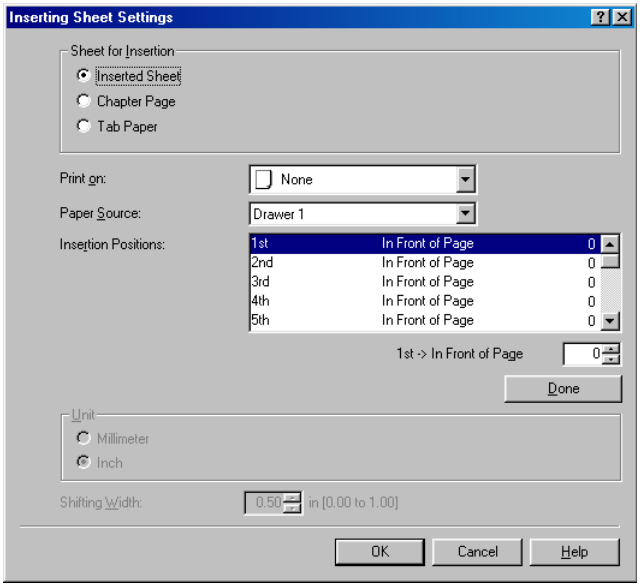
2 **Select [Inserting Sheet] from [Paper Selection].**



3 **Select the paper source or paper type for the body pages of the document from [Original Paper Source] or [Original Paper Type].**

4 **Click [Inserting Sheet Settings].**

The [Inserting Sheet Settings] dialog box opens.



5 **Select either [Inserted Sheet] or [Chapter Page] for [Sheet for Insertion] to specify the type of inserted sheets.**

6 **Select the side of paper to print on from [Print on].**

NOTE

Chapter pages can be printed only on the front side of the page. Blank sheets cannot be inserted as chapter pages.

7 **Select the paper source for inserted sheets or chapter pages from [Paper Source].**

8 **Select [1st] from [Insertion Positions] → specify the page number to determine where the first inserted sheet or chapter page is to be placed in the document → click [Done].**

9 **In the same way, specify the settings for subsequent inserted sheets or chapter pages.**

NOTE

- If the sequence number of the inserted sheets or chapter pages differs from that of the insertion positions, an ascending sequence is applied after clicking [Done].
- The available range for the insertion position is from pages 2 to 999.

10 **Click [OK].**

The [Inserting Sheet Settings] dialog box closes.

11 **Click [OK].**

NOTE

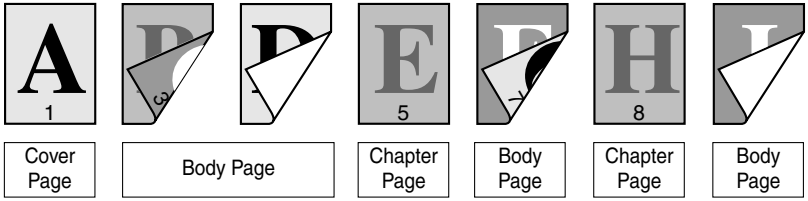
For example, making the following settings for a nine page document results in the output shown below:

- Front cover page is printed on the front side
- Pages 5 and 8 are specified as chapter pages
- [2-sided Printing] is specified for body pages

Nine Page Document



Output Result



Inserting Tab Paper

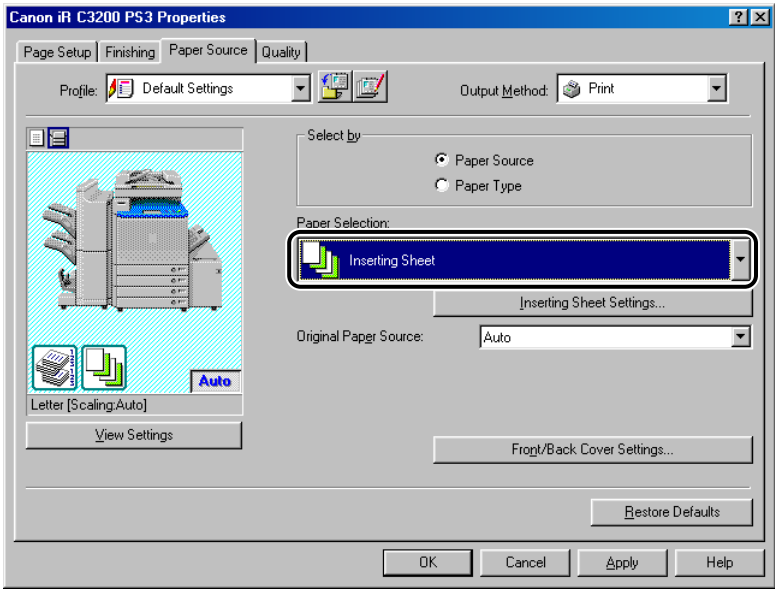
You can print on the tab part of tab paper. You can also insert tab paper into a document.

NOTE

- This option is available for the Color imageRUNNER C2620, Color imageRUNNER C3200, Color imageRUNNER C3220, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C5800, imageRUNNER C5870, imageRUNNER C6800, imageRUNNER C6870, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 5070, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070. Depending on the controller version of the printer you are using, this option may not be available.
- Up to 20 sheets of tab paper can be inserted into one document.
- If [Group] or [Rotate] is selected for [Finishing] in the [Finishing] sheet, or [On] is selected for [PS Output from Application] in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003), this option is not available.
- If [Store] is selected for [Output Method], this option may not be available depending on the controller version of the printer.

1 From the printer properties dialog box, click the [Paper Source] tab.

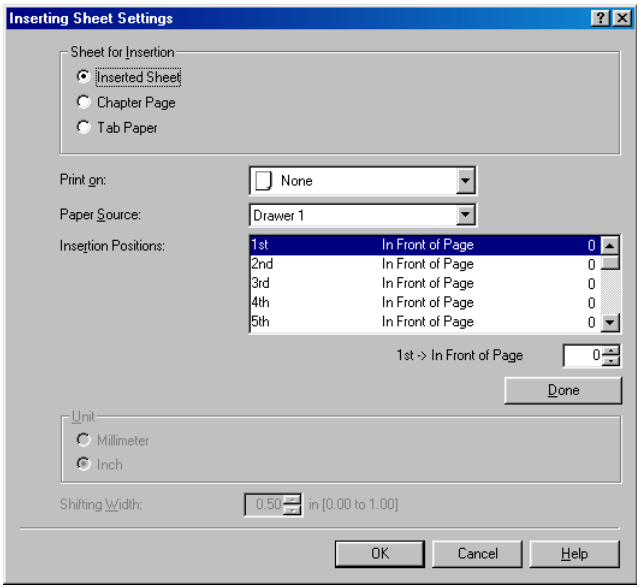
2 Select [Inserting Sheet] from [Paper Selection].



3 Select the paper source or paper type for the body pages of the document from [Original Paper Source] or [Original Paper Type].

4 Click [Inserting Sheet Settings].

The [Inserting Sheet Settings] dialog box opens.



5 Select [Tab Paper] from [Sheet for Insertion].

NOTE

Depending on the printer model you are using, you can also select the type of tab paper from the list box to the right of [Sheet for Insertion].

6 Select the paper source for the tab paper from [Paper Source].

7 Select [1st] from [Insertion Positions] → specify the page number to determine where the first tab paper sheet is to be placed in the document → click [Done].

8 In the same way, specify the settings for subsequent tab paper sheets.

NOTE

- If the sequence number of the tab paper differs from that of the insertion positions, ascending sequence is applied after clicking [Done].
- The available range for the insertion position is from pages 1 to 999.

9 **Specify the width to shift the image to be printed on the tab part of the paper in [Shifting Width].**

NOTE

You can change the unit used to specify the shift width (millimeters or inches).

10 **Click [OK].**

The [Inserting Sheet Settings] dialog box closes.

11 **Click [OK].**

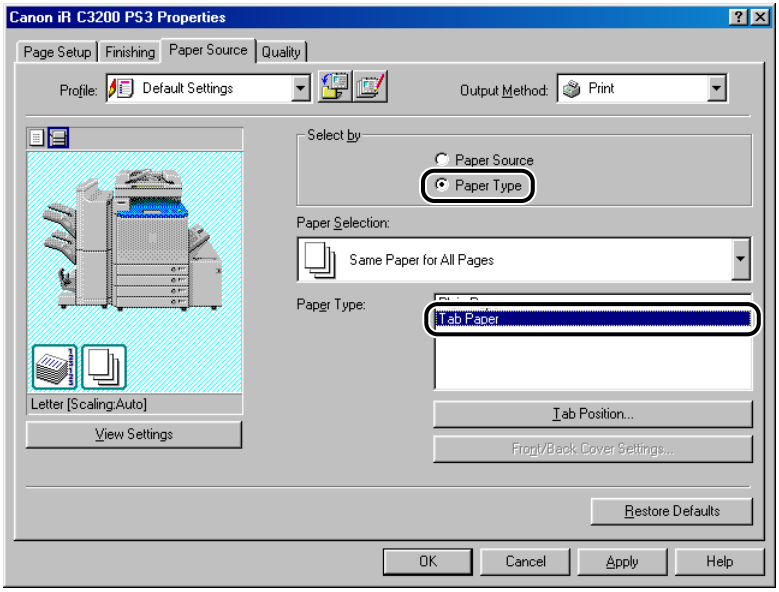
Creating Tabs

NOTE

- This option is available for the Color imageRUNNER C2620, Color imageRUNNER C3200, Color imageRUNNER C3220, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C5800, imageRUNNER C5870, imageRUNNER C6800, imageRUNNER C6870, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 5070, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070.
- If [Group] or [Rotate] is selected for [Finishing] in the [Finishing] sheet, this option is not available.
- If [Store] is selected for [Output Method], this option may not be available depending on the controller version of the printer.
- Before creating tab paper, open the printer properties dialog box from the [Printers] folder → click [Form to Tray Assignment] on the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003) → select [Tab Paper] from [Paper Type] in the [Form to Tray Assignment] dialog box.

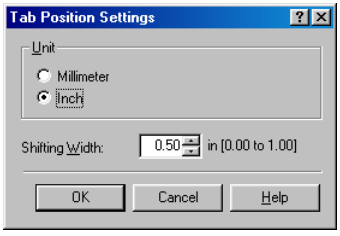
1 **From the printer properties dialog box, click the [Paper Source] tab.**

2 Select [Paper Type] from [Select by] → select [Tab Paper] from [Paper Type].



3 Click [Tab Position].

The [Tab Position Settings] dialog box opens.



4 Specify the width to shift the image to be printed on the tab part of the paper in [Shifting Width].

NOTE

You can change the unit used to specify the shift width (millimeters or inches).

5 Click [OK].

The [Tab Position Settings] dialog box closes.

6 **Click [OK].**

Printing on Custom Paper

This section describes how to print on nonstandard paper. If you register a paper size as a custom paper size, you will be able to select the registered custom paper size from [Page Size] or [Output Size] in the [Page Setup] sheet when printing a document.

IMPORTANT

Before printing on local standard paper, make sure the printer is set to print on the desired paper size.

Registering Custom Paper

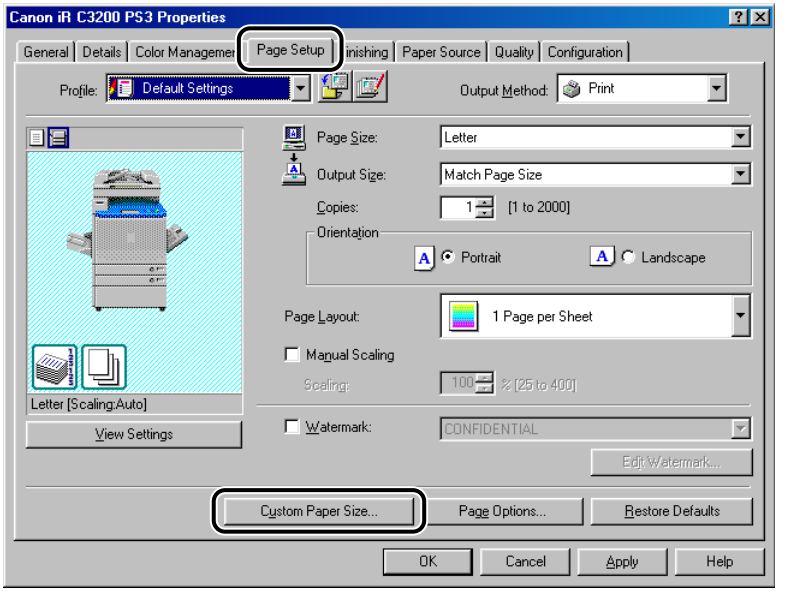
1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

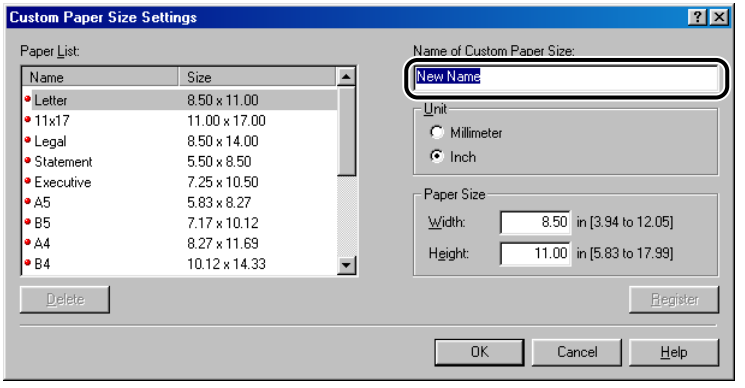
- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties] (Windows 98/Me) or [Printing Preferences] (Windows 2000/XP/Server 2003).

3 **In the printer properties dialog box, click the [Page Setup] tab → click [Custom Paper Size].**



4 **Enter a custom paper name in [Name of Custom Paper Size].**



5 **Select the unit of measurement to specify the paper size for [Unit] → specify the height and width for [Height] and [Width].**

NOTE

Enter the values for the height and width of the paper size in portrait orientation, where the height should be longer than the width.

6 **Click [Register] → click [OK] in the [Custom Paper Size Settings] dialog box.**

7 **Click [OK] in the printer properties dialog box.**

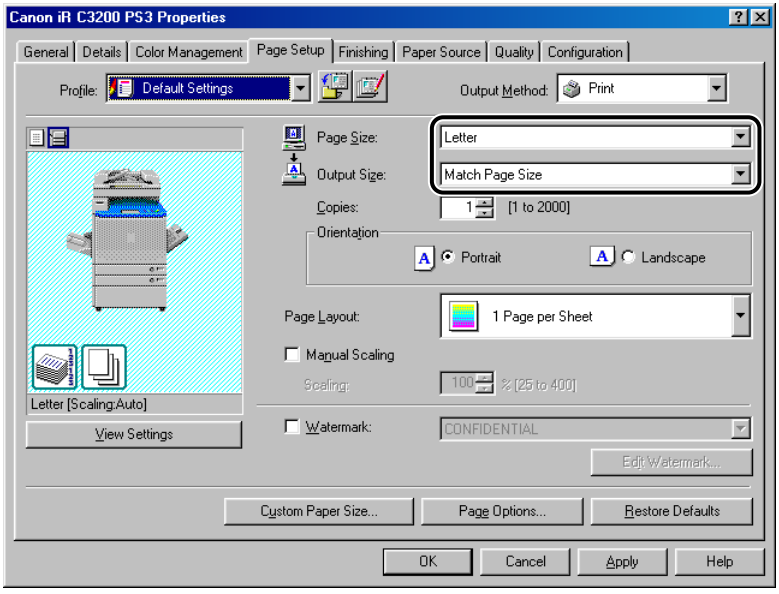
NOTE

- For Windows 2000/XP/Server 2003, the custom paper sizes can be used with all printers installed on the computer you are using.
- For Windows 98/Me, you can register a maximum of 50 custom paper sizes.

Printing on Custom Paper

1 **From the printer properties dialog box, click the [Page Setup] tab.**

2 **Select the custom paper name you specified from [Page Size] and [Output Size].**



3 **Click [OK].**

Printing on Local Standard Paper

You can use local standard paper, such as oficio or government letter paper, to print documents. In order to print on local standard paper, you need to specify the paper source for local standard paper in advance. Also, you need to register the local standard paper as custom paper (see "Registering Custom Paper," on p. 3-51, and "Printing on Custom Paper," on p. 3-53).

Specifying the Paper Source for Local Standard Paper

If the printer configuration has been set up automatically, the paper source for local standard paper has already been specified automatically.

If the printer configuration has not been set up automatically, follow the procedure below to specify the paper source for local standard paper.

NOTE

For the size and type of local standard paper supported by the printer you are using, see "Local Standard Paper Sizes List," on p. 5-13.

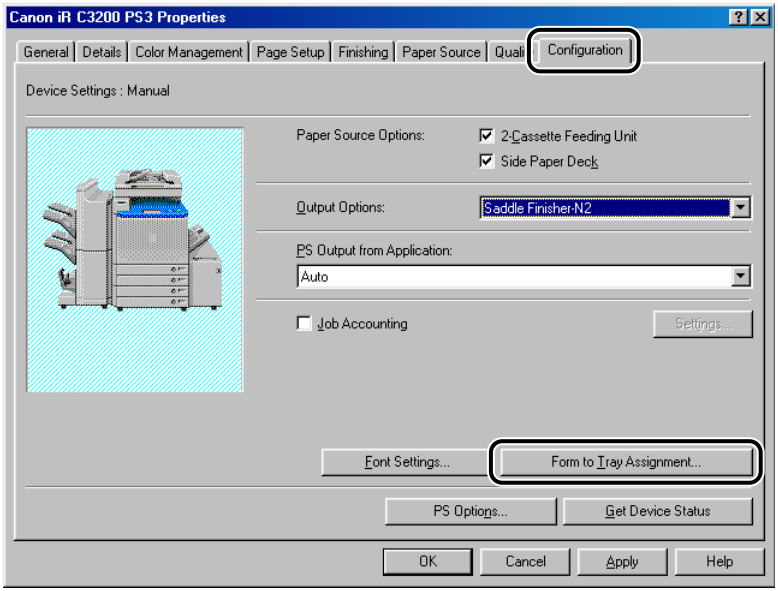
1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

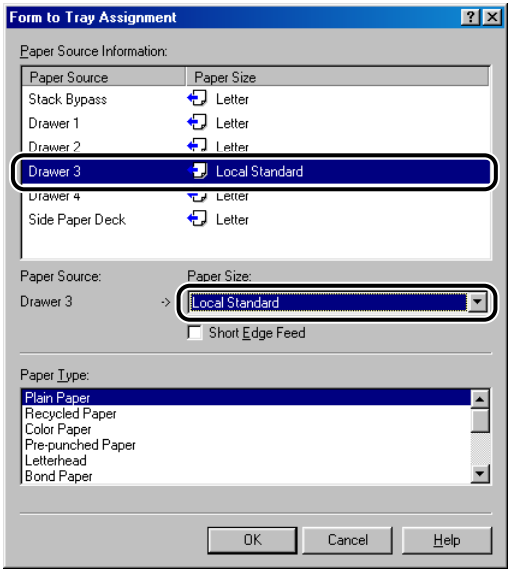
- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].

3 **In the printer properties dialog box, click the [Configuration] tab (Windows 98/Me) or [Device Settings] tab (Windows 2000/XP/Server 2003) → [Form to Tray Assignment].**



4 **From [Paper Source Information], select the paper source in which the local standard paper is loaded → select [Local Standard] from [Paper Size].**



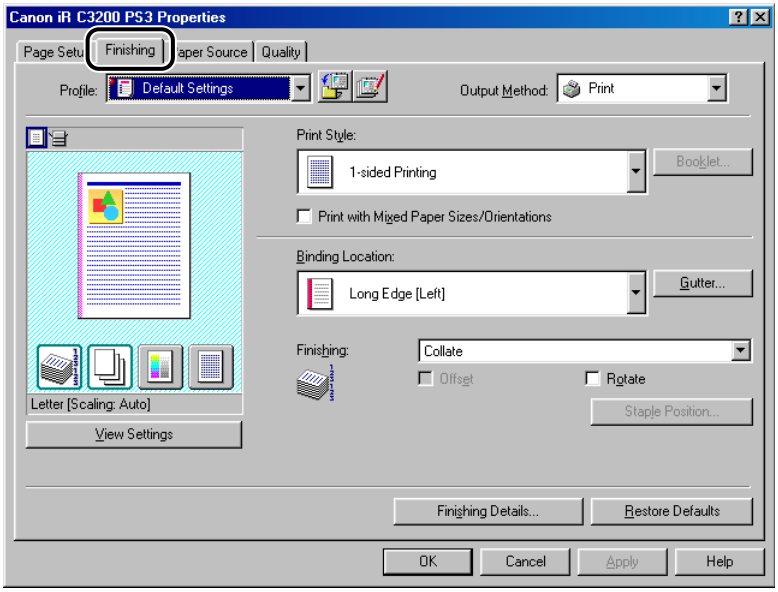
5 **Click [OK] in the [Form to Tray Assignment] dialog box.**

6 **Click [OK] in the printer properties dialog box.**

Printing a Banner Page with a Print Job

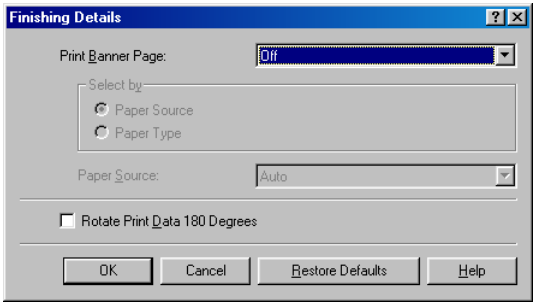
You can add a banner page to your document when it is printed. The banner page shows the user's login name, the time at which the job was printed, and the document file name.

1 From the printer properties dialog box, click the [Finishing] tab.



2 Click [Finishing Details].

The [Finishing Details] dialog box opens.



3 Select [Auto] for [Print Banner Page].

4 Select either [Paper Source] or [Paper Type] from [Select by], according to the paper supply method you want to use.

5 Specify the paper source or paper type to be used for the banner page → click [OK].

NOTE

Paper types that support banner page printing are Plain Paper, Recycled Paper, and Color Paper.

6 Click [OK] in the [Finishing] sheet.

NOTE

- A banner page will not be printed if [Booklet Printing] with the [Saddle Stitch] option is selected, if the print job is specified to be printed under Secured Print or stored in a User Inbox, or if you are creating a form file for Overlay Printing.
- Regardless of the number of copies that you are printing, only one banner page is output for each print job.
- A banner page is output together with the other pages of a print job to the same destination, but it will not be stapled even if the print job uses these options.
- If [On] is selected for [PS Output from Application] in the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003), this option is not available.

Special Print Options

4
CHAPTER

This chapter describes instructions for specifying the various special settings for printing a document.

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Overlay Printing

This section describes what Overlay Printing is, how to create a form file, and how to print with an Overlay.

What Is Overlay Printing?

Overlay Printing overlays text data onto a form file.

For example, if the format of a report or bill is created in application software as a form file, you can create a perfectly formatted document by overlaying a text data document onto the form file.

To perform Overlay Printing, form files are required. You can use the following as form files:

- Files created in application software and then stored in your computer as form files
- Image data files for Form Composition stored in the printer (available for the Color imageRUNNER C2880, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3170, imageRUNNER C5870, imageRUNNER C6870, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 3300i, imageRUNNER 3320G, imageRUNNER 3320i/2220i, imageRUNNER 3320N/2220N, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5000i, imageRUNNER 5070, imageRUNNER 6020/5020, imageRUNNER 6020i/5020i, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070, depending on the controller version of the printer you are using)

IMPORTANT

If you are using the imageRUNNER 5000i, select [iR5000i - 6000i Series] from [Device] on the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003).

Creating a Form File

If forms created in application software are stored in your computer as form files, you can use the forms for Overlay Printing.

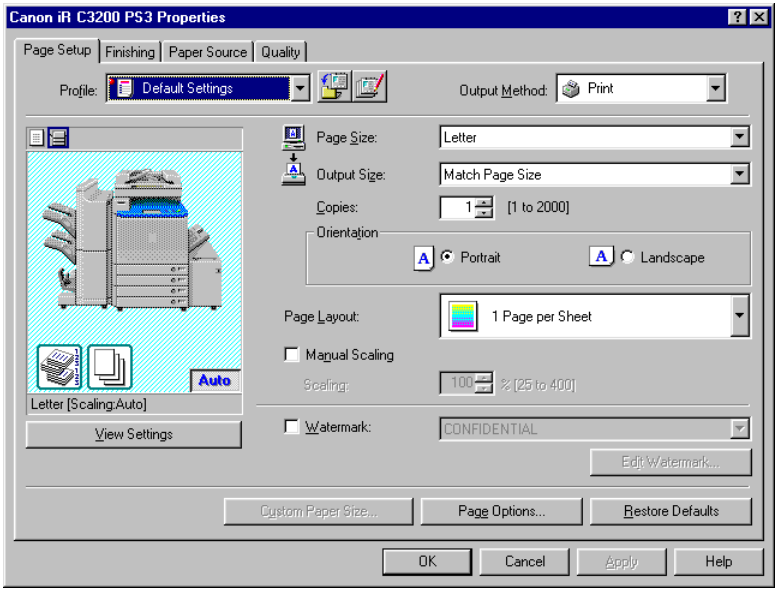
To store a form file in your computer, follow the procedure below.

1 **Prepare a document in the application software.**

2 **In the application software, select [Print].**

3 **Click [Properties] in the [Print] dialog box.**

4 **Display the [Page Setup] sheet.**



5 **Click [Page Options].**

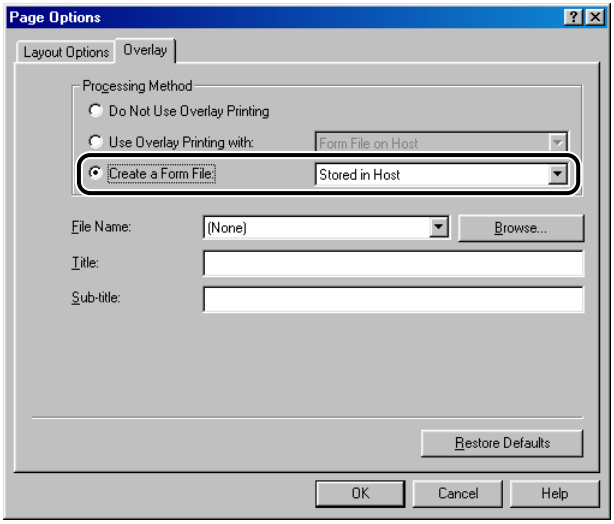
The [Page Options] dialog box opens.

6 Click the [Overlay] tab.

7 Specify the overlay processing method.

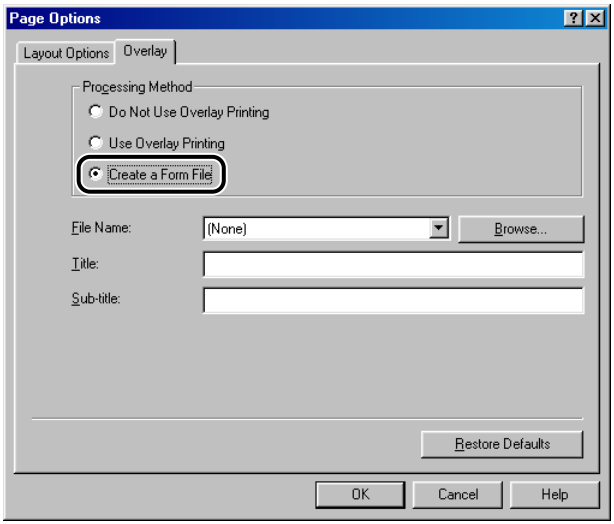
- **For the Color imageRUNNER C2880, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3170, imageRUNNER C5870, imageRUNNER C6870, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 3300i, imageRUNNER 3320G, imageRUNNER 3320i/2220i, imageRUNNER 3320N/2220N, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5000i, imageRUNNER 5070, imageRUNNER 6020/5020, imageRUNNER 6020i/5020i, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070:**

  ❑ Select [Create a Form File] under [Processing Method] → select [Stored in Host].



● **For printers other than the above:**

❑ Select [Create a Form File] under [Processing Method].



8 **Click [Browse] → specify the file name → click [Save].**

9 **Enter a title, or a subtitle if necessary → click [OK].**

10 **Click [OK] in the [Page Setup] sheet.**

11 **Click [OK] in the [Print] dialog box.**

The document is now registered as a form file in the folder you specified.

NOTE

The document is not printed out when creating a form file.

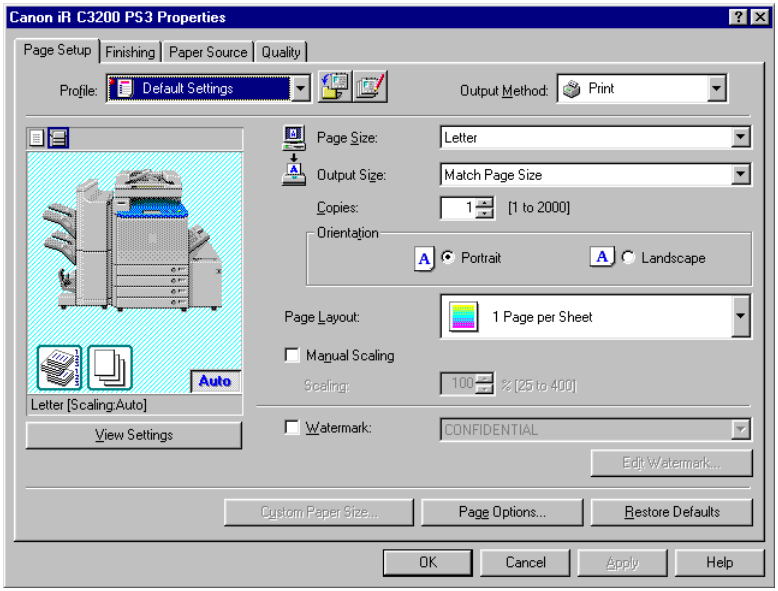
Printing with an Overlay

To perform Overlay Printing using a form file stored in your computer, follow the procedure below.

1 In the application software, select [Print].

2 Click [Properties] in the [Print] dialog box.

3 Display the [Page Setup] sheet.



4 Click [Page Options].

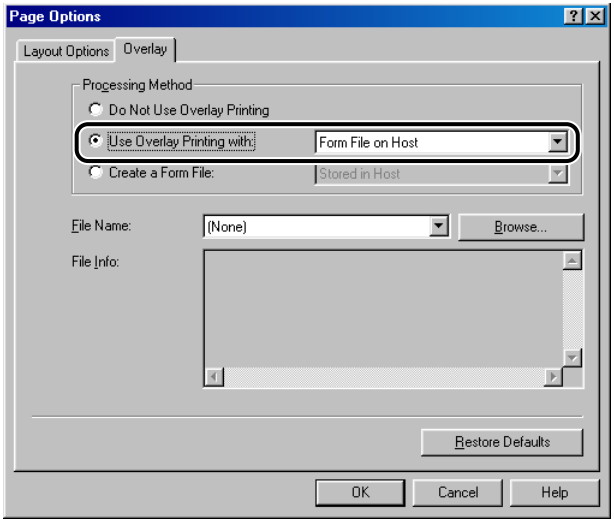
The [Page Options] dialog box opens.

5 Click the [Overlay] tab.

6 Specify the overlay processing method.

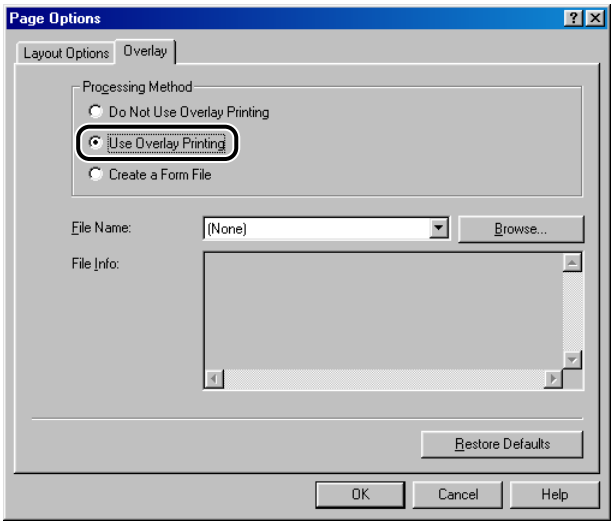
- **For the Color imageRUNNER C2880, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3170, imageRUNNER C5870, imageRUNNER C6870, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 3300i, imageRUNNER 3320G, imageRUNNER 3320i/2220i, imageRUNNER 3320N/2220N, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5000i, imageRUNNER 5070, imageRUNNER 6020/5020, imageRUNNER 6020i/5020i, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070:**

  ❑ Select [Use Overlay Printing with] under [Processing Method] → select [Form File on Host].



● **For printers other than the above:**

❑ Select [Use Overlay Printing] under [Processing Method].



7 **Click [Browse] → select the file name that you want to use as a form file → click [Save].**

8 **Click [OK] in the [Page Options] dialog box.**

9 **Click [OK] in the [Page Setup] sheet.**

10 **Click [OK] in the [Print] dialog box.**

The document is printed with the selected form file overlaid.

Overlay Printing Using a Form File on Device

You can store image data in the printer as a form file, and print documents overlaid with the image data stored in the printer as a form file.

IMPORTANT

- This option is available for the Color imageRUNNER C2880, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3170, imageRUNNER C5870, imageRUNNER C6870, imageRUNNER 105, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 3300i, imageRUNNER 3320G, imageRUNNER 3320i/2220i, imageRUNNER 3320N/2220N, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5000i, imageRUNNER 5070, imageRUNNER 6020/5020, imageRUNNER 6020i/5020i, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070.
- Depending on the controller version of the printer you are using, this option may not be available.
- If you are using the imageRUNNER 5000i, select [iR5000i-6000i Series] from [Device] on the [Configuration] sheet (Windows 98/Me) or [Device Settings] sheet (Windows 2000/XP/Server 2003).

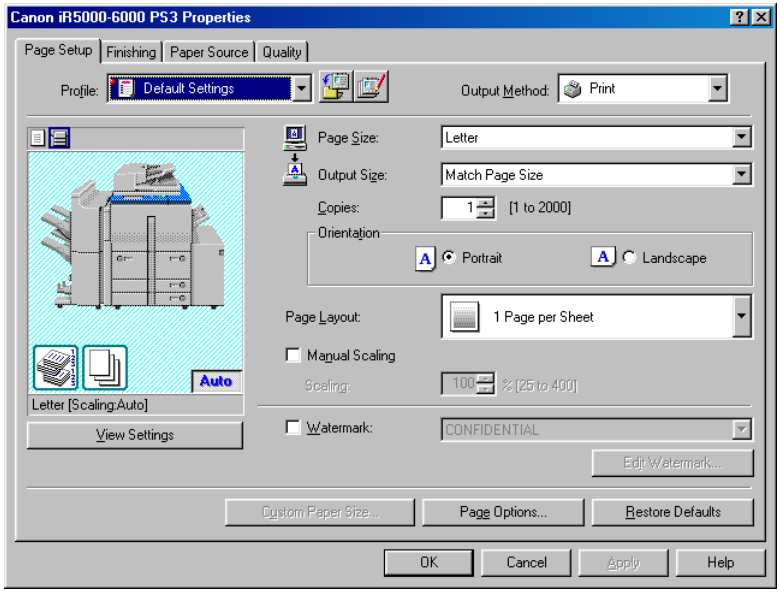
Creating a Form File

To store an application created form file in the printer, follow the procedure below.

1 In the application software, prepare a document that you want to store as a form file.

2 Select [Print] → click [Properties] in the [Print] dialog box.

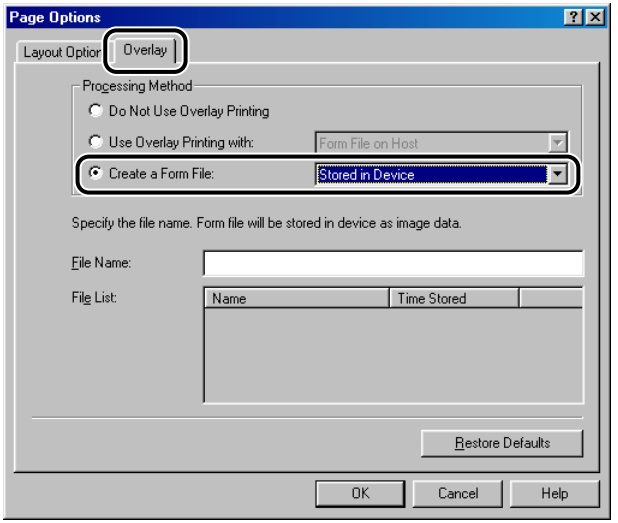
3 Display the [Page Setup] sheet.



4 Click [Page Options].

The [Page Options] dialog box opens.

5 **Click the [Overlay] tab → select [Create a Form File] under [Processing Method] → select [Stored in Device].**



6 **Enter a file name in [File Name] → click [OK].**

7 **Click [OK] in the [Page Setup] sheet.**

8 **Click [OK] in the [Print] dialog box.**

The document is now stored as a form file in the folder you specified.

The form file does not print out at creation.

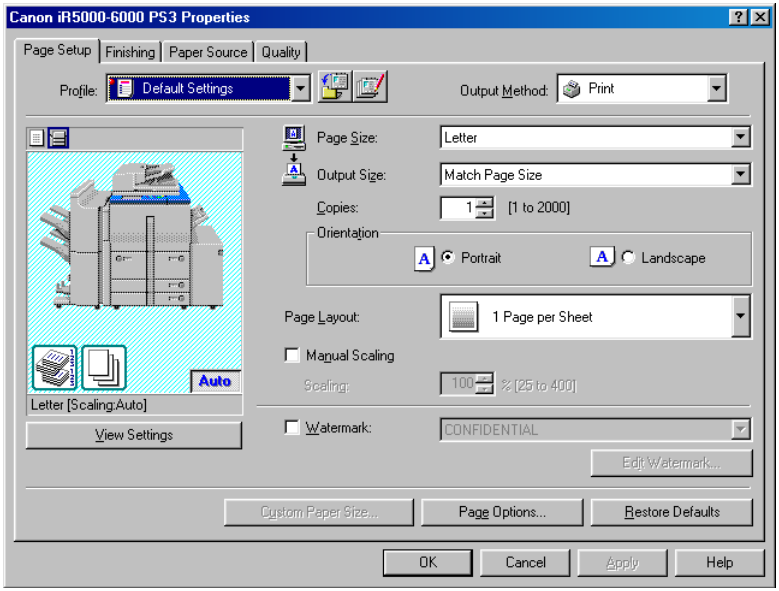
Printing with an Overlay

To print with an Overlay using a form file saved in the printer, follow the procedure below.

1 In the application software, select [Print].

2 Click [Properties] in the [Print] dialog box.

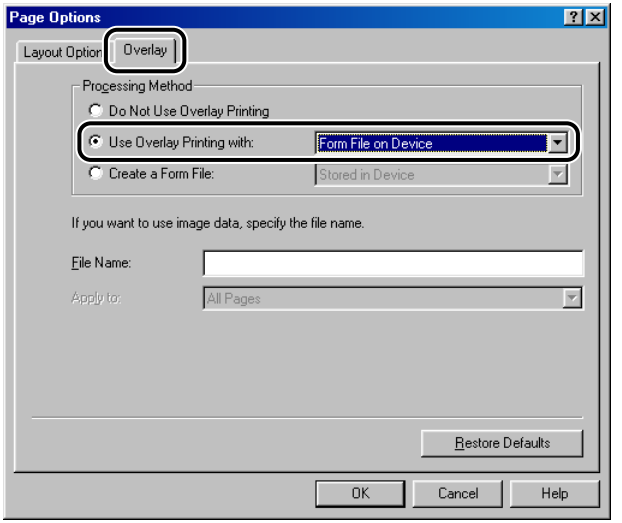
3 Display the [Page Setup] sheet.



4 Click [Page Options].

The [Page Options] dialog box opens.

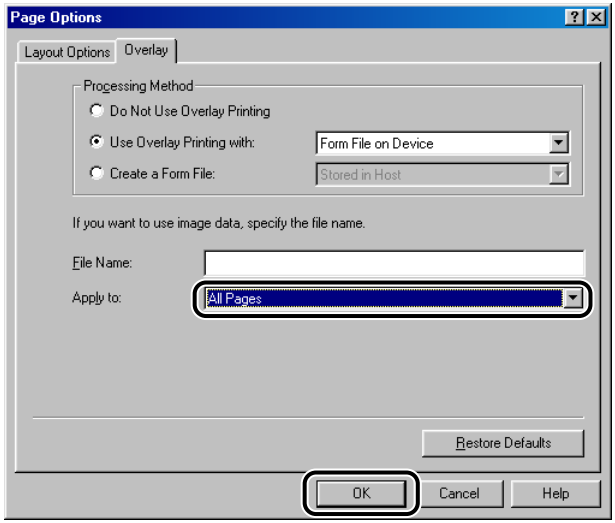
5 Click the [Overlay] tab → select [Use Overlay Printing with] under [Processing Method] → select [Form File on Device].



6 Specify the form file name.

- **If you acquire the printer status successfully:**
  - ❑ When [Form List] appears, select a form file.
- **If you cannot acquire the printer status:**
  - ❑ Enter a form file name in [File Name].

7 **For 2-sided printing, select which pages of the document are to be overlaid with the form file from [Apply to] → click [OK].**



8 **Click [OK] in the [Page Setup] sheet.**

9 **Click [OK] in the [Print] dialog box.**

The document is printed with the selected form file overlaid.

Specifying the Print Quality

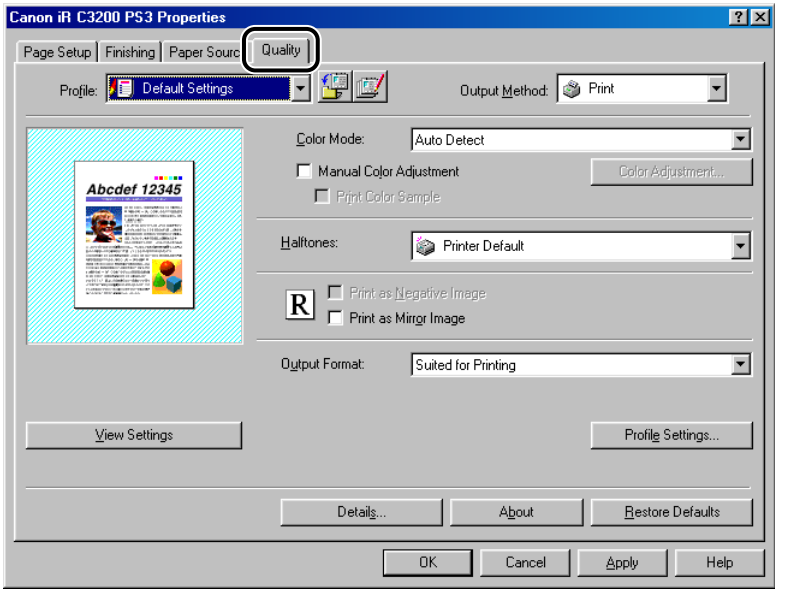
You can specify the quality of print documents.

Printing a Negative Image

You can print a negative image of the document by reversing the black-and-white values.

For Printers Other than the imagePRESS C1

1 From the printer properties dialog box, click the [Quality] tab.



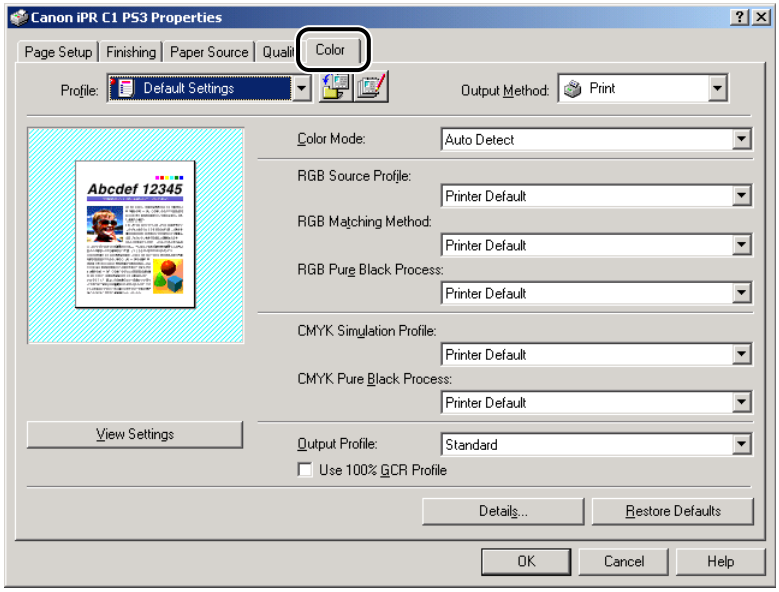
2 Select [Black and White] for [Color Mode].

3 Select [Print as Negative Image].

4 Click [OK].

For the imagePRESS C1

1 **From the printer properties dialog box, click the [Color] tab.**



2 **Select [Black and White] for [Color Mode].**

3 **Click the [Quality] tab.**

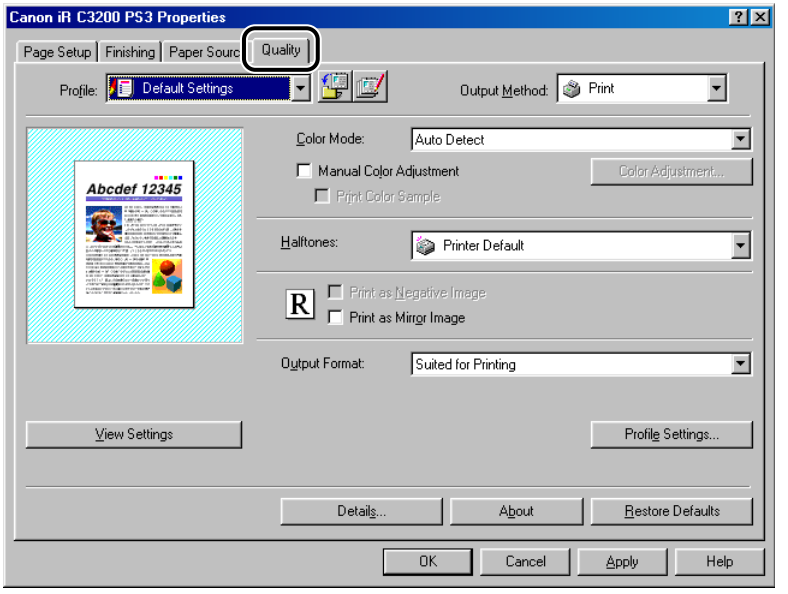
4 **Select [Print as Negative Image].**

5 **Click [OK].**

Printing a Mirror Image

This mode enables you to print the original image reversed, as if it were a reflection in a mirror.

1 **From the printer properties dialog box, click the [Quality] tab.**



2 **Select [Print as Mirror Image].**

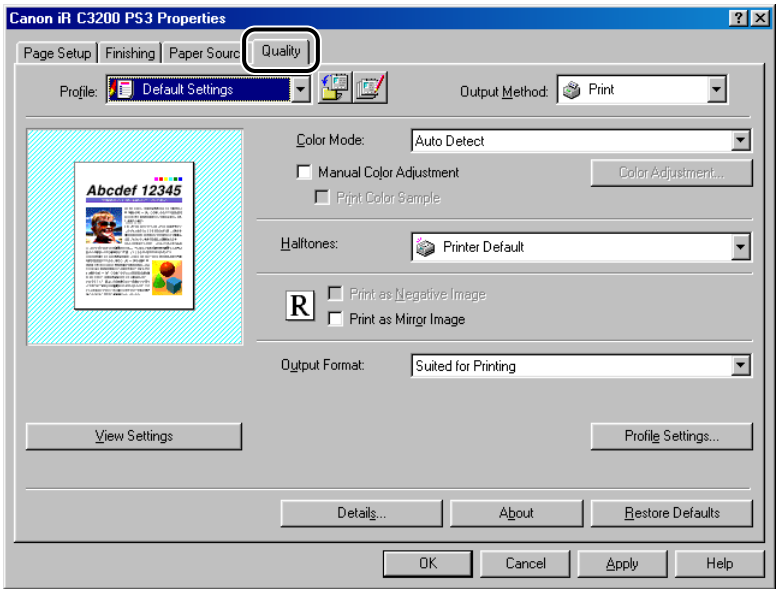
3 **Click [OK].**

Halftone Settings

There is no need to adjust the halftone settings for normal printing. However, if the printout of the graphic image is not satisfactory, such as photo, you can specify the method for halftone processing that you want to use for a halftone screen.

Specifying the Halftone Settings Automatically

1 From the printer properties dialog box, click the [Quality] tab.



2 Select the required halftone processing method.

- **For color printers:**
  - ❑ Select the required halftone processing method for [Halftones].
- **For black-and-white printers:**
  - ❑ Select the required halftone processing method for [Halftones] or [Halftone Settings].

3 Click [OK].

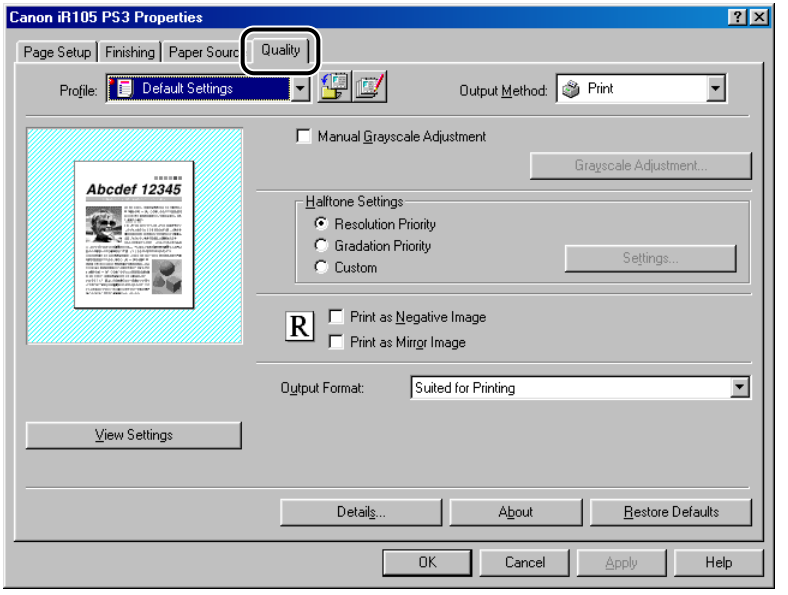
Specifying the Halftone Settings Manually

You can set the Frequency (the number of lines on the screen) and Angle (the angle of the screen) for halftone processing.

NOTE

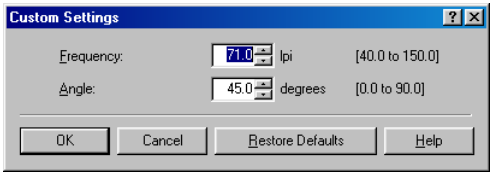
This option is available only for black-and-white printers.

1 From the printer properties dialog box, click the [Quality] tab.



2 Select [Custom] for [Halftones] or [Halftone Settings] → click [Settings].

The [Custom Settings] dialog box opens.



3 Enter the desired frequency value and angle value → click [OK].

4 **Click [OK].**

Substituting Printer Fonts for Faster Printing

Substituting printer fonts for TrueType fonts prints a document faster.

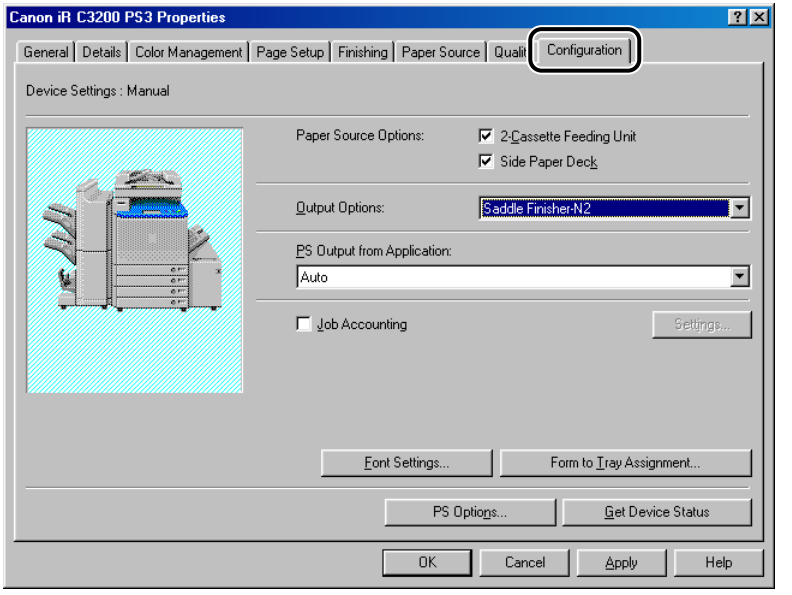
1 On the [Start] menu, point to [Settings] → click [Printers].

NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

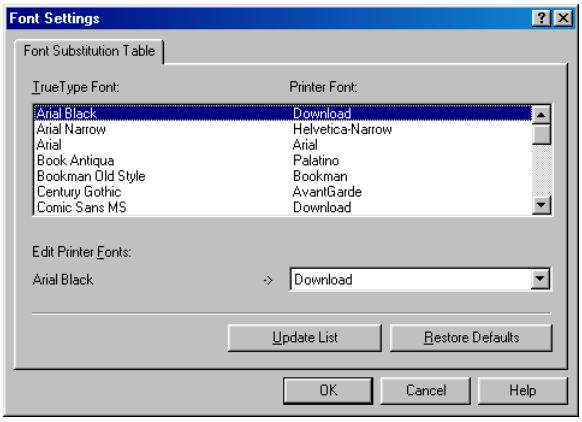
2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].

3 In the printer properties dialog box, click the [Configuration] tab (Windows 98/Me) or [Device Settings] tab (Windows 2000/XP/Server 2003).



4 Click [Font Settings].

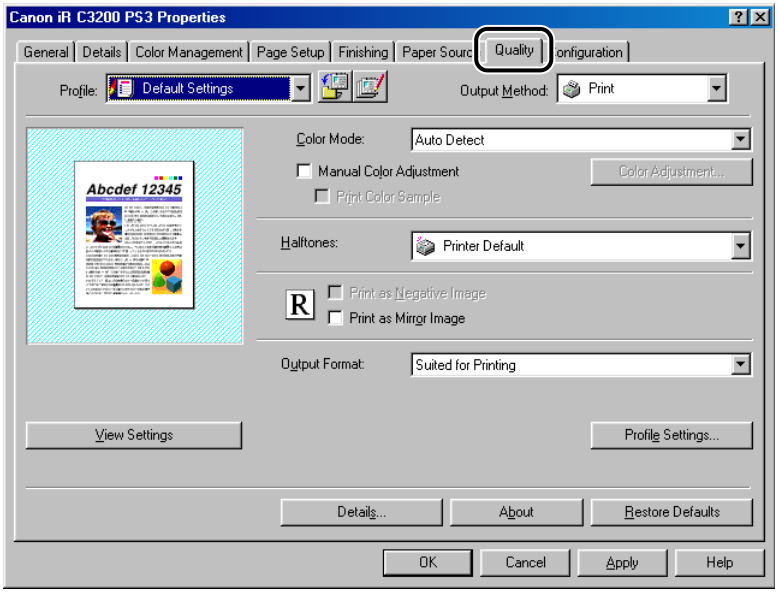
The [Font Settings] dialog box opens.



5 Select a font from the [TrueType Font] list in the [Font Substitution Table].

6 Select the printer font you want to substitute from [Edit Printer Fonts] → click [OK].

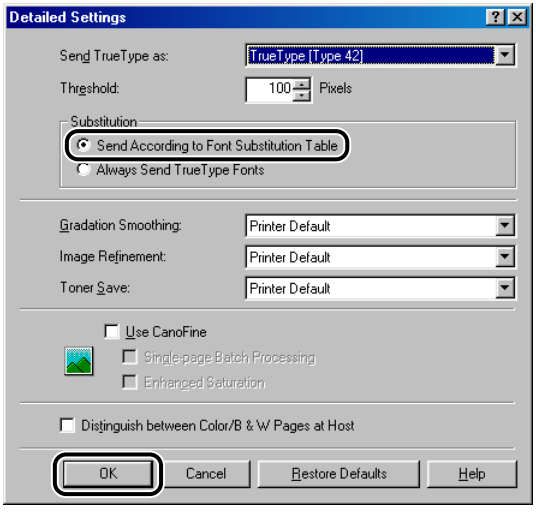
7 Click the [Quality] tab.



8 Click [Details].

The [Detailed Settings] dialog box opens.

9 Select [Send According to Font Substitution Table] under [Substitution] → click [OK].



Sending Document Data to a User Inbox

Document data can be sent to a User Inbox on the machine.

Getting User Inbox Names

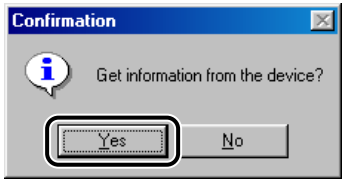
You can display User Inbox names registered in the machine.

To get User Inbox names automatically, follow the procedure below.

1 Click [Get Device Status] in the [Configuration] sheet (Windows 98/Me) or the [Device Settings] sheet (Windows 2000/XP/Server 2003).

For the detailed procedure for getting the device status, see "Setting Up the Printer Configuration," on p. 2-45.

2 Click [Yes] in the message box.



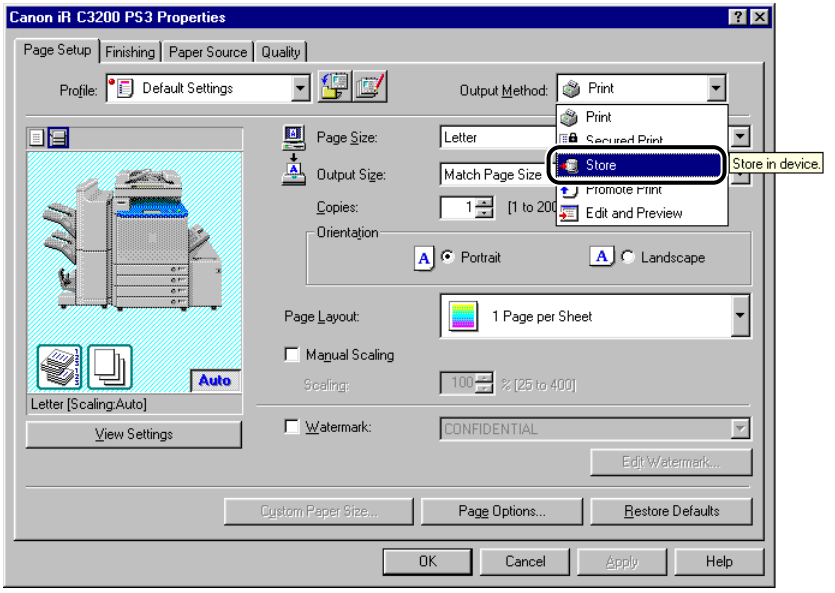
If this failed to get device information, check the connections and settings.

Sending a Document to a User Inbox

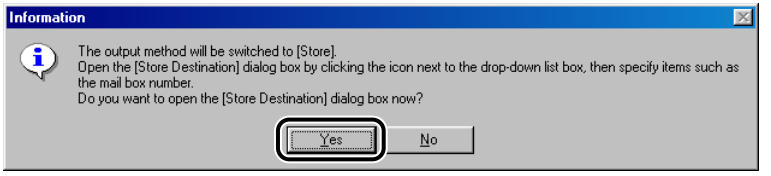
After you have sent the document to a User Inbox, you can use the printer's control panel to output the document.

To send a document to a User Inbox, follow the procedure below.

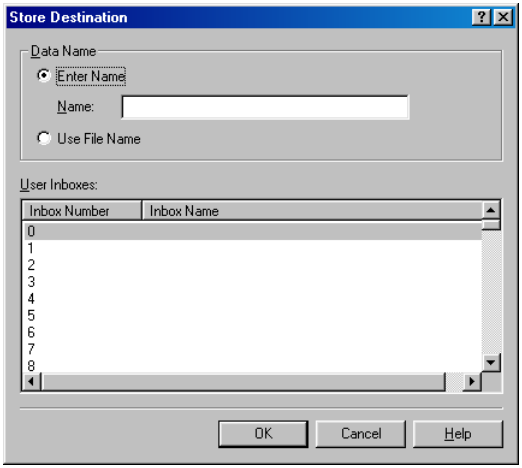
1 From the printer properties dialog box, select [Store] from [Output Method] in the [Page Setup], [Finishing], [Paper Source], or [Quality] sheets.



2 Click [Yes] in the message box.



The [Store Destination] dialog box opens.



NOTE

If you close the [Store Destination] dialog box before you complete the operation for this box, the [Store Destination] icon appears in the top right corner of the dialog box. You can reopen the [Store Destination] dialog box by clicking this icon, or by repeating steps 1 and 2.

3 Specify the document name for the data to send to a User Inbox → specify a box number.

- **If you want to save the data with a new name:**
  - ❑ Select [Enter Name] → enter the name for [Name].
- **If you want to save the data with the same name as the document:**
  - ❑ Select [Use File Name].

NOTE

Depending on the printer you are using, you can send data to multiple mail boxes simultaneously.

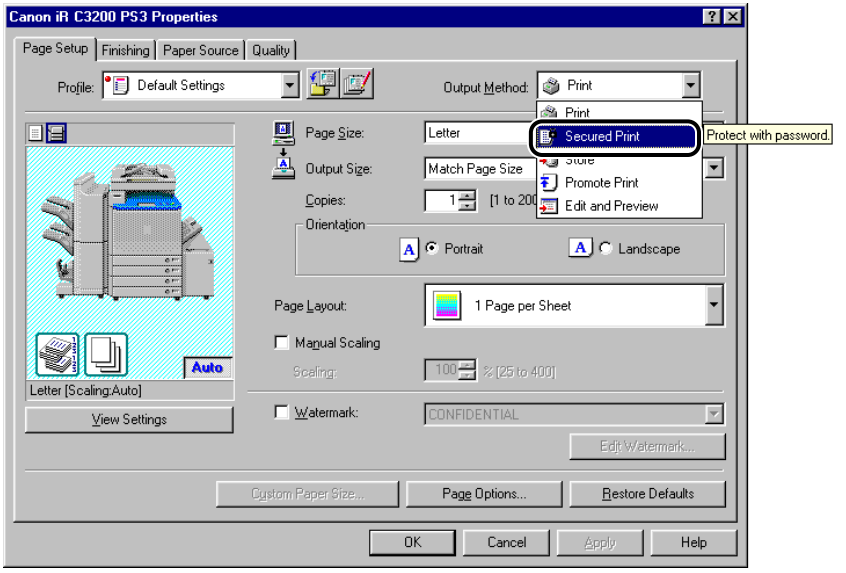
4 Click [OK].

Secured Printing

Secured Printing saves a print job in the printer with a certain password and outputs it later only if the correct password is verified. This feature is useful when printing a confidential document.

To use Secured Printing, follow the procedure below.

1 From the printer properties dialog box, select [Secured Print] from [Output Method] in the [Page Setup], [Finishing], [Paper Source], or [Quality] sheets.



2 Click [OK] in the message box to switch to the Secured Print mode.



3 **Click [ ] (Secured Print Settings) to open the [Secured Print Settings] dialog box → enter the user name and password for the current print job.**



NOTE

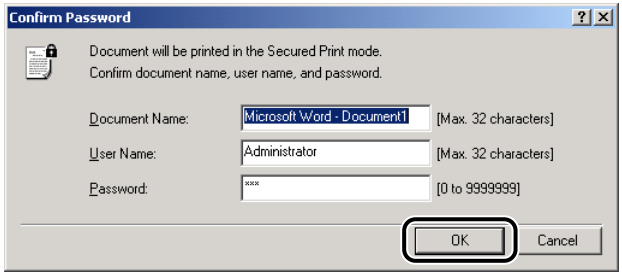
- For Windows 98/Me, the default log on name is displayed as a user name.
- For Windows 2000/XP/Server 2003, the user name set in the [User Name Settings] dialog box is displayed as the user name. To open the [User Name Settings] dialog box, select [Set User Name] and click [Settings] in the [Device Settings] sheet.
- For Windows 2000/XP/Server 2003, if [Do Not Allow User Name Changes] is selected in the [User Name Settings] dialog box, you cannot change the user name.

4 **Click [OK] in the [Secured Print Settings] dialog box.**

5 **Click [OK] to close the printer properties dialog box → click [OK] in the [Print] dialog box.**

The [Confirm Password] dialog box opens.

6 **Confirm the document name, user name, and password → click [OK] in the [Confirm Password] dialog box.**



The print job is saved inside the printer under the specified user name and password.

NOTE

For Windows 2000/XP/Server 2003, if [Do Not Allow User Name Changes] is selected in the [User Name Settings] dialog box, you cannot change the user name.

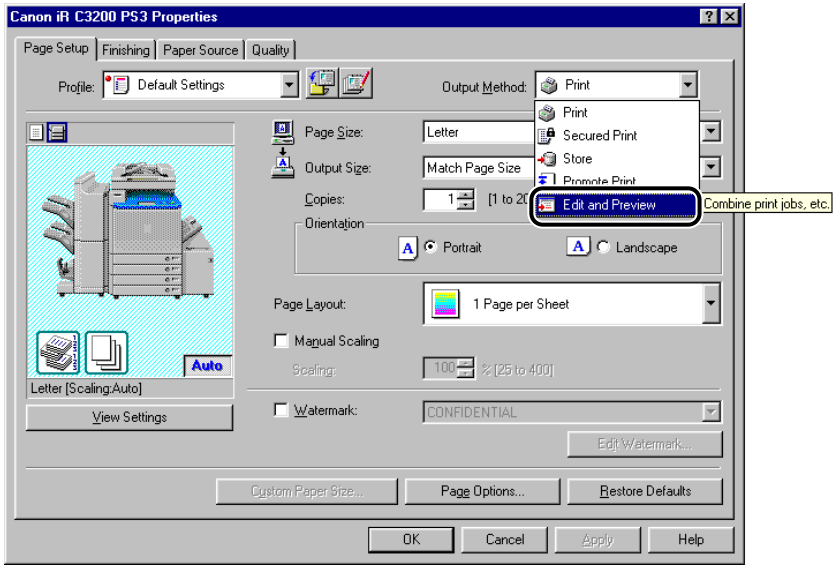
7 On the printer's control panel or Remote UI, select the print job you want to print → enter the password.

The print job is output only if the correct password is entered.

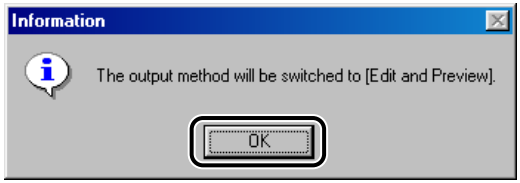
Editing Multiple Print Documents Together

You can edit and print two or more documents created using different application software as a single document.

1 **From the printer properties dialog box, select [Edit and Preview] from [Output Method] in the [Page Setup], [Finishing], [Paper Source], or [Quality] sheets.**

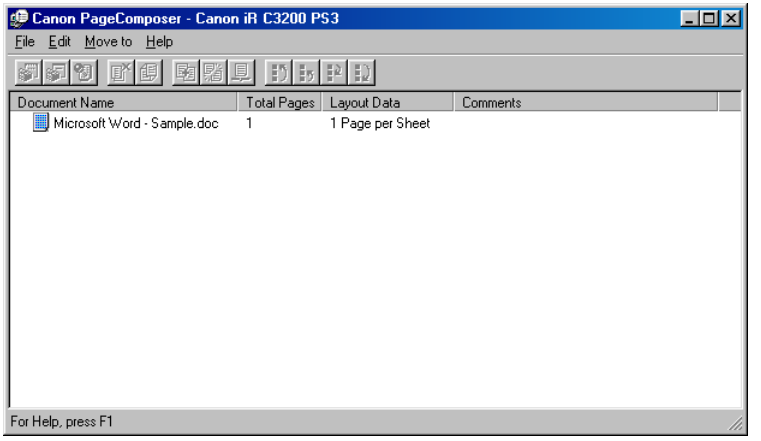


2 **Click [OK] in the message box to switch to the Edit and Preview mode.**



3 Click [OK] to close the printer properties dialog box → click [OK] in the [Print] dialog box.

If the Edit and Preview mode is selected when printing a document, Canon PageComposer starts instead of outputting printed pages.



4 Repeat steps 1 to 3 for the other documents.

You can use Canon PageComposer to combine or change the order of two or more documents. For details about using Canon PageComposer, see the Canon PageComposer Help.

NOTE

If the printer properties dialog box is accessed from the [Printers] folder, you can click [] (Lock) at the right of the drop-down list box to start Canon PageComposer each time you print a document.

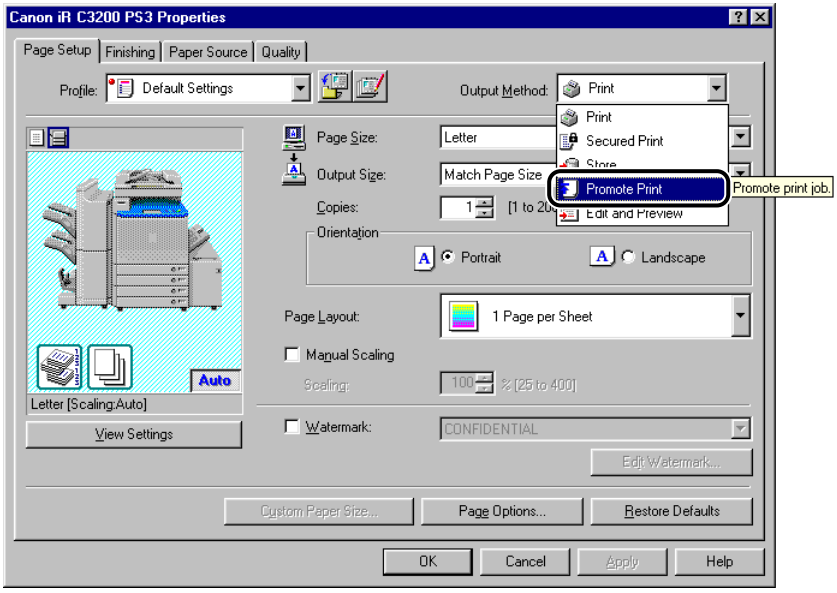
Promoting a Print Job

You can give the desired job top priority for printing over all other print jobs waiting in the print queue.

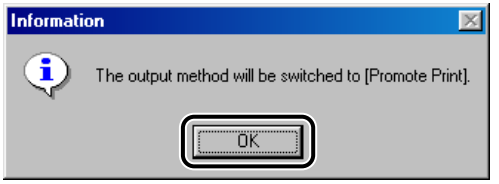
NOTE

This option is available only for the Color imageRUNNER C2620, Color imageRUNNER C2880, Color imageRUNNER C3200, Color imageRUNNER C3220, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3100, imageRUNNER C3170, imageRUNNER C5800, imageRUNNER C5870, imageRUNNER C6800, imageRUNNER C6870, imageRUNNER 105+, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 4570/3570, imageRUNNER 4570G/3570G, imageRUNNER 5070, imageRUNNER 6570/5570, imageRUNNER 7105/7095/7086, imageRUNNER 8070, imageRUNNER 85+, and imageRUNNER 9070.

1 From the printer properties dialog box, select [Promote Print] from [Output Method] in the [Page Setup], [Finishing], [Paper Source], or [Quality] sheets.



2 **Click [OK] in the message box to switch to the Promote Print mode.**



3 **Click [OK] to close the printer properties dialog box → click [OK] in the [Print] dialog box.**

Job Accounting Feature

This section describes Job Accounting, how to specify the ID and password for Job Accounting, and how to print with Job Accounting.

Job Accounting Overview

When printing a document, Job Accounting enables you to sum print totals for each department or user for management purposes, under an ID and a password assigned to each department or user.

A document will be printed only if the specified ID and password are verified as valid.

IMPORTANT

- If you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to use the Job Accounting feature (see "Installing the Canon Driver Information Assist Service," on p. 2-34).
- If you are using a local printer (connected to an LPT port, USB port, etc.), you cannot use the Job Accounting feature.
- For the Color imageRUNNER C2620, Color imageRUNNER C2880, Color imageRUNNER C3220, Color imageRUNNER C3380, Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER C3170, imageRUNNER C5870, and imageRUNNER C6870, while using Job Accounting, you can print grayscale documents without imposing Job Accounting by selecting the following:
  - [ON] for <Allow Black Printer Jobs> on the printer control panel.
  - [Do Not Use Job Accounting When B&W Printing] in the [Configuration] sheet of the printer driver (Windows 98/Me), or in the [ID/Password Settings] dialog box displayed by selecting [Job Accounting], and then clicking [Settings] in the [Device Settings] sheet of the printer driver (Windows 2000/XP/Server 2003).
  - [Black and White] for the [Color Mode] in the [Quality] sheet of the printer driver.

Specifying the ID and Password

In order to print documents using the Job Accounting feature, follow the procedure below to specify the ID and password.

1 On the [Start] menu, point to [Settings] → click [Printers].

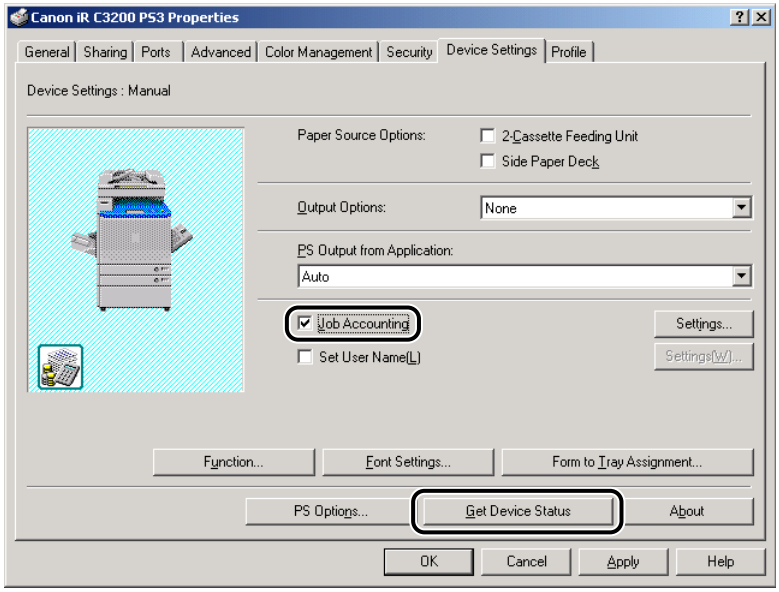
NOTE

- If you are using Windows XP Professional/Server 2003, on the [Start] menu, click [Printers and Faxes].
- If you are using Windows XP Home Edition, on the [Start] menu, click [Control Panel] → [Printers and Other Hardware] → [Printers and Faxes].

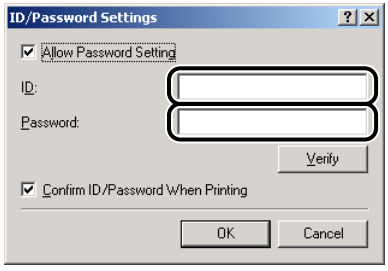
2 In the [Printers] folder, right-click the printer icon for your printer → click [Properties].

3 In the printer properties dialog box, click the [Configuration] tab (Windows 98/Me) or [Device Settings] tab (Windows 2000/XP/Server 2003).

4 **Click [Get Device Status] to confirm that [Job Accounting] is selected, or manually select [Job Accounting].**



5 **Click [Settings] to open the [ID/Password Settings] dialog box → enter the ID and password.**



NOTE

- For Windows 98/Me, the ID and password can be changed when printing a document only if [Confirm ID/Password When Printing] is selected.
- For Windows 2000/XP/Server 2003, you can specify the password in the [ID/Password Settings] dialog box only if [Allow Password Setting] is selected.
- You can leave the password blank.

6 **Click [Verify] to confirm that the specified ID and password are valid.**

7 **Click [OK].**

Printing with Job Accounting (Windows 98/Me)

To print with Job Accounting, follow the procedure below.

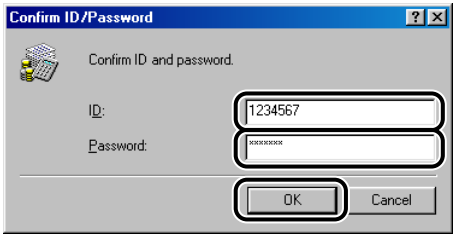
1 **In the application software, select [Print].**

2 **Click [Properties] in the [Print] dialog box.**

3 **Specify the various settings in the printer properties dialog box.**

4 **Click [OK] to close the printer properties dialog box → click [OK] in the [Print] dialog box.**

5 **If the [Confirm ID/Password] dialog box opens, enter the ID and the password → click [OK].**



The document is printed with the specified ID and password.

NOTE

- The [Confirm ID/Password] dialog box opens only if [Confirm ID/Password When Printing] is selected in the [ID/Password Settings] dialog box. Otherwise, the document is printed under the previously specified ID and password.
- You can leave the password blank.

Printing with Job Accounting (Windows 2000/XP/Server 2003)

The procedure for printing with Job Accounting differs depending on whether [Allow Password Setting] is selected in the [ID/Password Settings] dialog box displayed by selecting [Job Accounting], and then clicking [Settings] in the [Device Settings] sheet.

With Allow Password Setting Selected

The password for Job Accounting can be specified in advance in the [ID/Password Settings] dialog box.

1. **In the application software, select [Print].**
2. **Click [Properties] in the [Print] dialog box.**
3. **Specify the various settings in the printer properties dialog box.**
4. **Click [OK] to close the printer properties dialog box → click [OK] in the [Print] dialog box.**

   The document is printed with the specified ID and password.

With Allow Password Setting Not Selected

The password for Job Accounting is not specified in the [ID/Password Settings] dialog box.

1. **In the application software, select [Print].**
2. **Click [Properties] in the [Print] dialog box.**
3. **Specify the various settings in the printer properties dialog box.**

4 **Click [OK] to close the printer properties dialog box → click [OK] in the [Print] dialog box.**

5 **In the [Confirm ID/Password] dialog box, enter the password → change the ID if necessary.**

NOTE

You can leave the password blank.

6 **Click [OK].**

The document is printed with the specified ID and password.

Specifying Color and Grayscale Settings

You can set color and grayscale settings manually.

This section describes the color and grayscale settings and how to change them.

About the Color and Grayscale Settings

The various options in the [Quality] sheet and [Color] sheet enable you to set the desired color or grayscale settings for printing documents.

For color printers, you can specify color intensity, brightness, and contrast settings. For detailed instructions, see "Color Printing," on p. 4-42.

For black-and-white printers, you can specify the brightness setting. For detailed instructions, see "Grayscale Printing," on p. 4-45.

NOTE

- The available options vary depending on the printer model you use.
- The [Color] sheet is available only for the imagePRESS C1.

Color Printing

You can make detailed color settings manually. To set color settings manually, follow the procedure below.

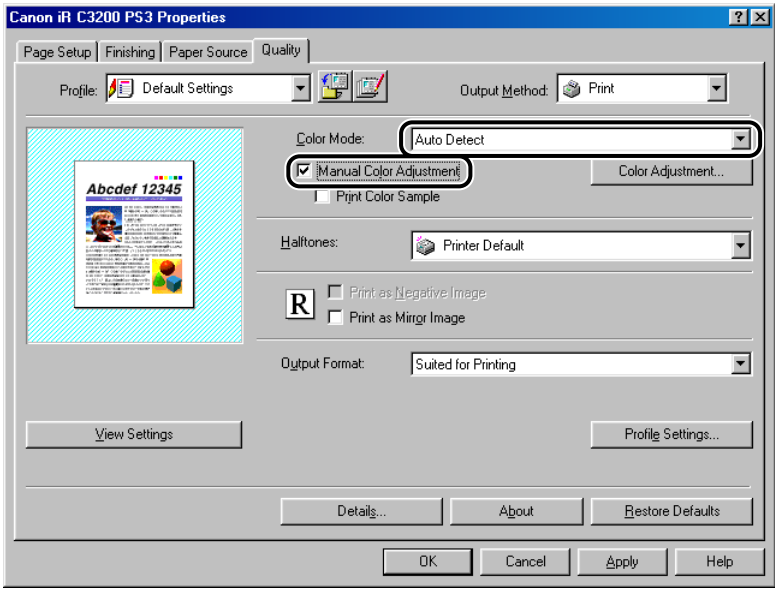
NOTE

This option is available only for the color printers.

For Printers Other than the imagePRESS C1

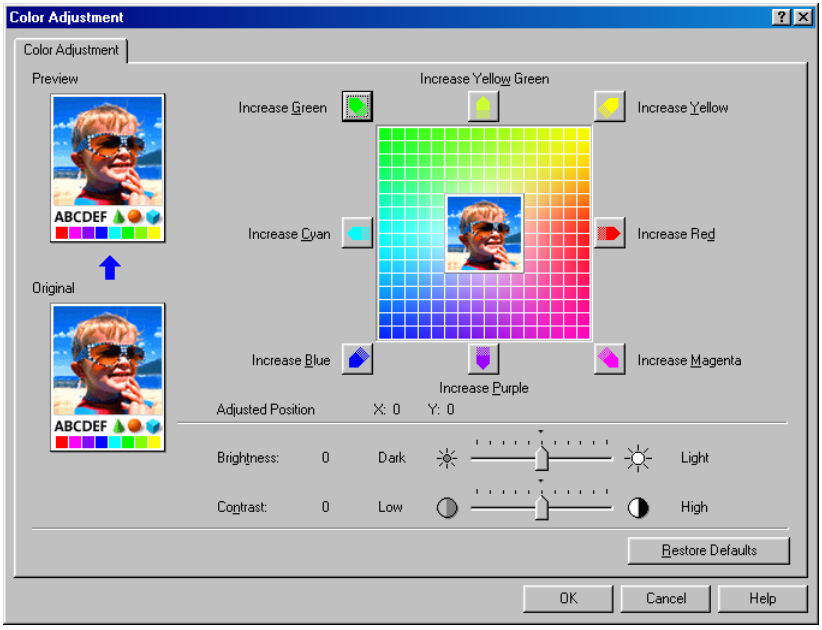
1 From the printer properties dialog box, click the [Quality] tab.

2 Select [Auto Detect] from [Color Mode] → select [Manual Color Adjustment].



3 Click [Color Adjustment].

The [Color Adjustment] dialog box is displayed.



4 Adjust the color intensity, brightness, and contrast.

For detailed information about the [Color Adjustment] dialog box, see the Online Help.

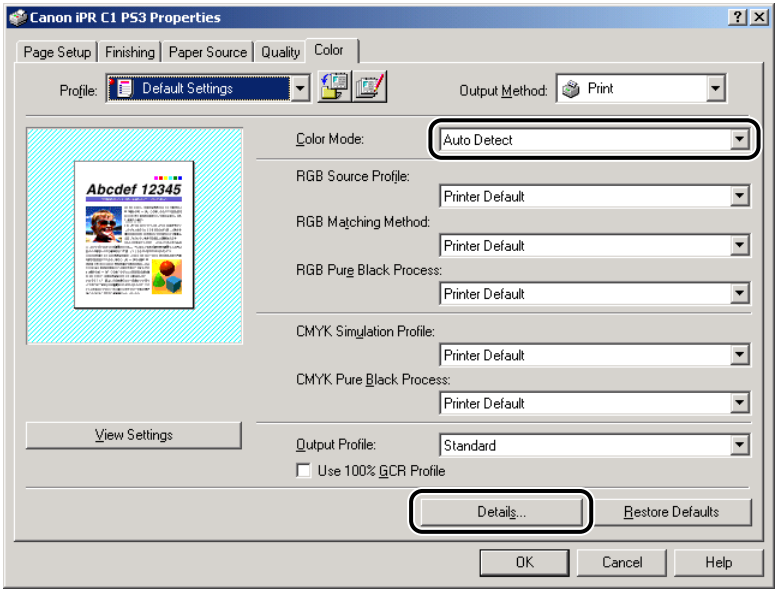
5 Click [OK].

6 Click [OK] in the [Quality] sheet.

For the imagePRESS C1

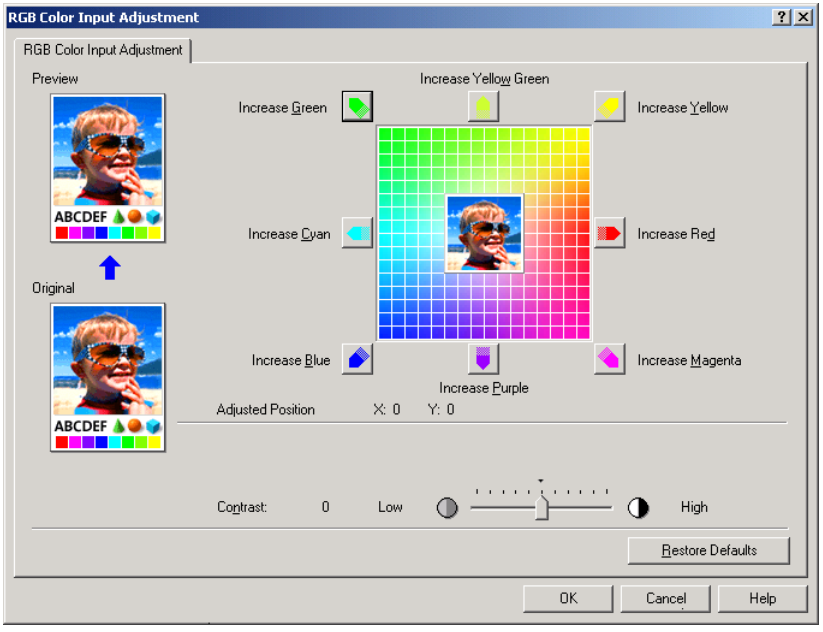
1 From the printer properties dialog box, click the [Color] tab.

2 Select [Auto Detect] from [Color Mode] → click [Details].



3 Select [RGB Color Input Adjustment] → click [Settings].

The [RGB Color Input Adjustment] dialog box is displayed.



4 Adjust the color intensity and contrast.

For detailed information about the [RGB Color Input Adjustment] dialog box, see the Online Help.

5 Click [OK].

The [RGB Color Input Adjustment] dialog box closes.

6 Click [OK].

The [Detailed Settings] dialog box closes.

7 Click [OK] in the [Color] sheet.

Grayscale Printing

You can make detailed grayscale settings manually when printing color documents in grayscale. To set grayscale settings manually, follow the procedure below.

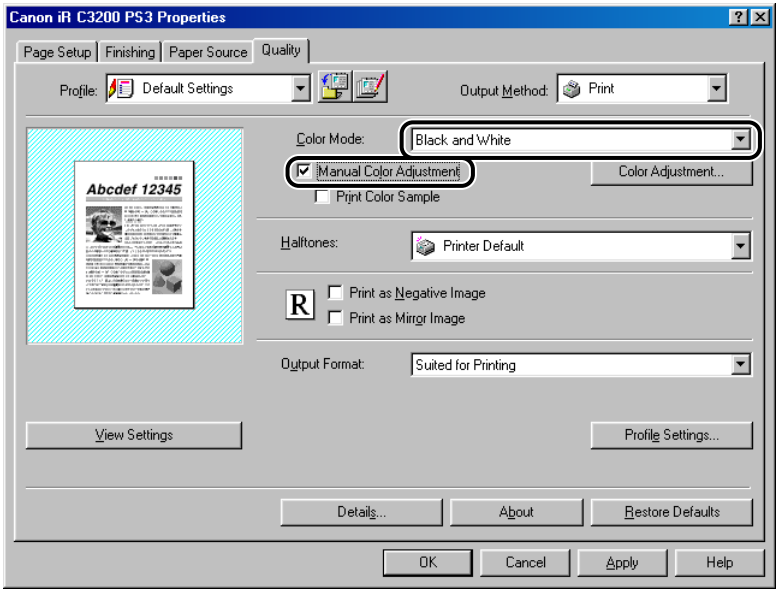
For Printers Other than the imagePRESS C1

1 From the printer properties dialog box, click the [Quality] tab.

2 Display the [Color Adjustment] or [Grayscale Adjustment] dialog box for manual grayscale setting.

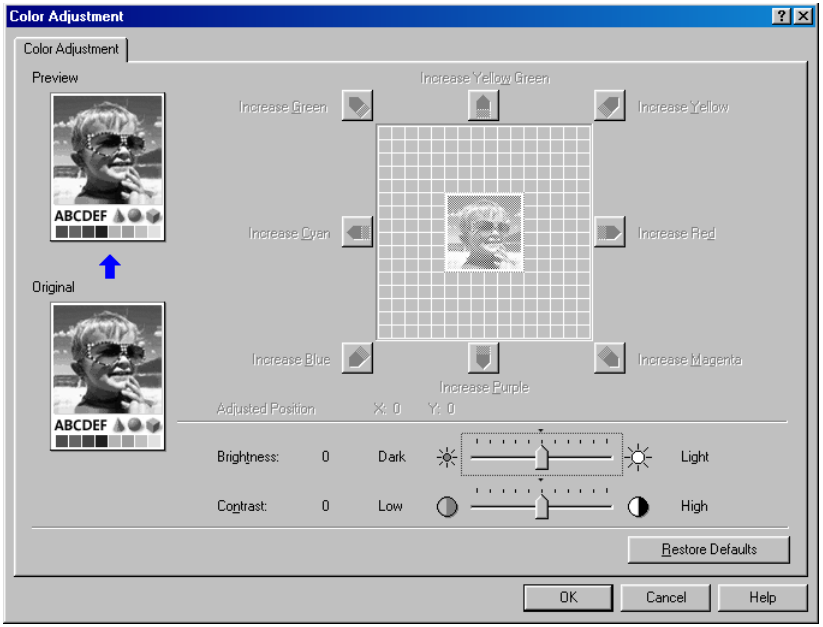
● **For color printers:**

❑ Select [Black and White] from [Color Mode] → select [Manual Color Adjustment].



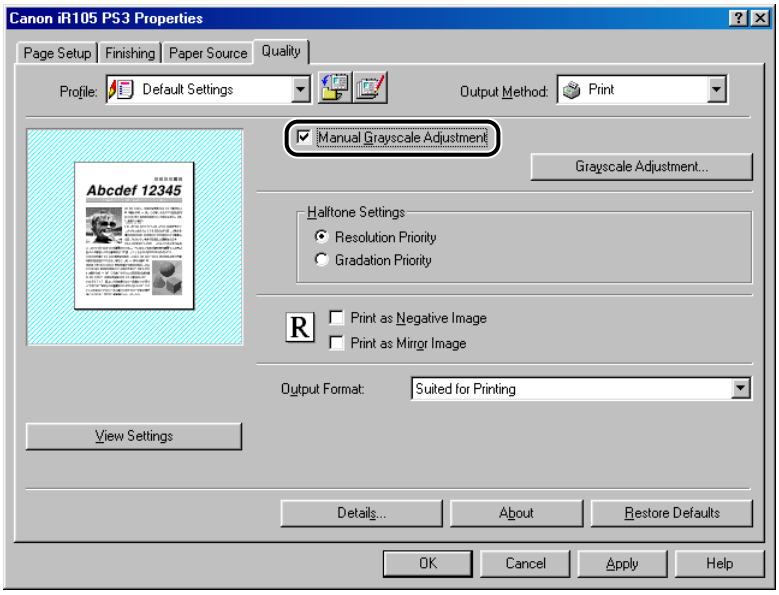
❑ Click [Color Adjustment].

The [Color Adjustment] dialog box is displayed.



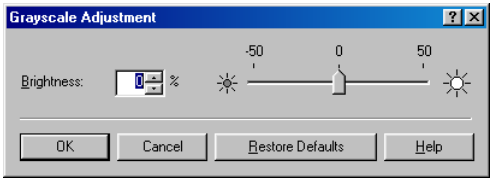
● **For black-and-white printers:**

❑ Select [Manual Grayscale Adjustment].



❑ Click [Grayscale Adjustment].

The [Grayscale Adjustment] dialog box is displayed.



3 Adjust the brightness and contrast.

For detailed information about the [Color Adjustment] or [Grayscale Adjustment] dialog box, see the Online Help.

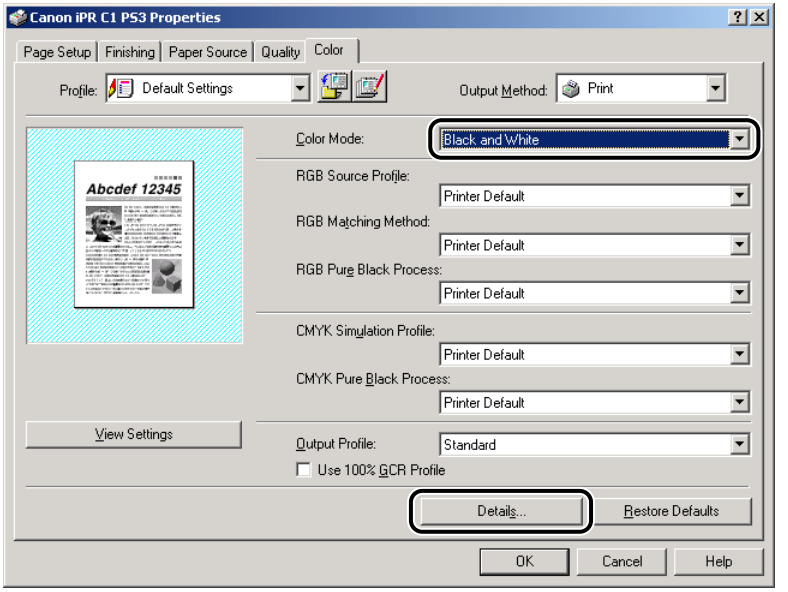
4 Click [OK].

5 Click [OK] in the [Quality] sheet.

For the imagePRESS C1

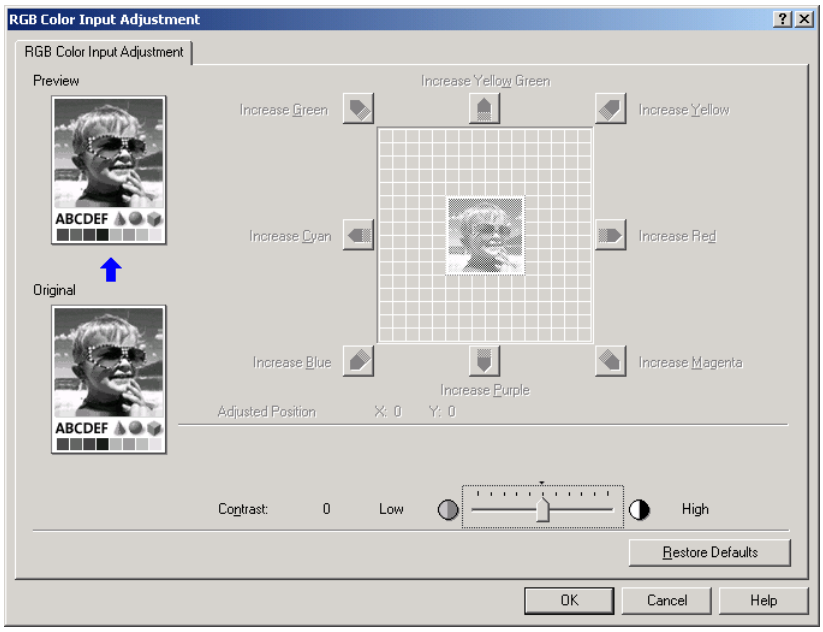
1 **From the printer properties dialog box, click the [Color] tab.**

2 **Select [Black and White] from [Color Mode] → click [Details].**



3 Select [RGB Color Input Adjustment] → click [Settings].

The [RGB Color Input Adjustment] dialog box is displayed.



4 Adjust the contrast.

For detailed information about the [RGB Color Input Adjustment] dialog box, see the Online Help.

5 Click [OK].

The [RGB Color Input Adjustment] dialog box closes.

6 Click [OK].

The [Detailed Settings] dialog box closes.

7 Click [OK] in the [Color] sheet.

Configuring the Printer's Color Adjustment Settings

How colors are interpreted by and printed from application software differs according to the printer. You can configure the printer's color adjustment settings to control RGB data, CMYK data, etc.

NOTE

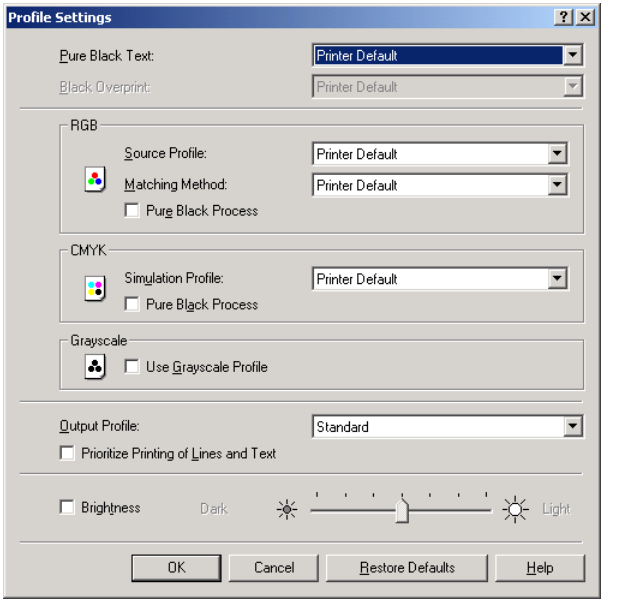
This option is available only for the color printers.

For Printers Other than the imagePRESS C1

1 From the printer properties dialog box, click the [Quality] tab.

2 Click [Profile Settings].

The [Profile Settings] dialog box is displayed.



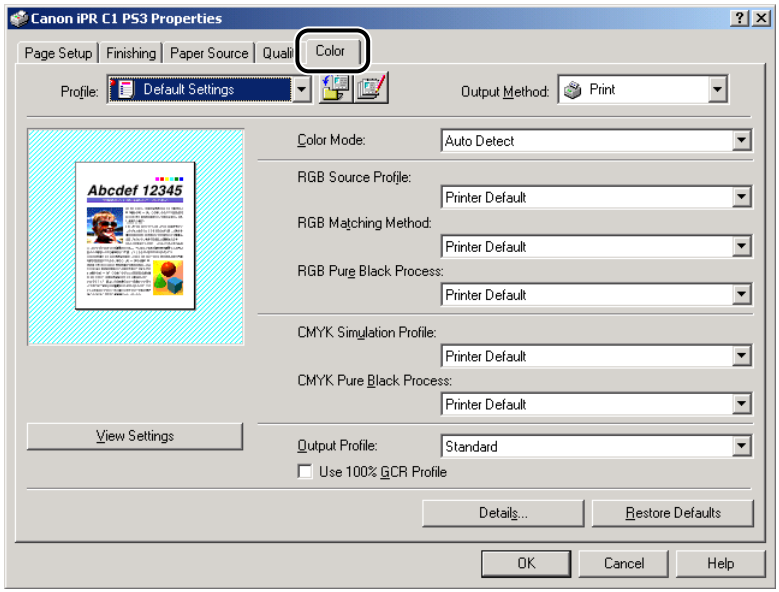
3 Specify the settings for RGB data, CMYK data, grayscale data, output profile, and brightness if necessary.

For detailed information about the [Profile Settings] dialog box, see the Online Help.

4 Click [OK].

For the imagePRESS C1

1 From the printer properties dialog box, click the [Color] tab.



2 Specify the settings for RGB data, CMYK data, and output profile if necessary.

For detailed information about the [Color] sheet, see the Online Help.

3 Click [OK].

Notes on Color Printing

The method by which color data is transmitted to the printer depends on the application software you are using. Therefore, in order to achieve the desired output result, you should take care to select the right setting in the printer driver for the application software you are using.

Application and Color Model Types

From the point of view of PostScript color printing, the application software can be divided into two categories. In this guide, one is called "Office application" and the other is called "PostScript application."

As described below, there are two types of color models used by the applications, RGB and CMYK, and it is important to note that color output results differ depending on the application software you are using.

■ Office Applications

Good examples of this category are the word processing and spreadsheet applications in Microsoft Office 2000.

Office applications use GDI (Graphics Device Interface) to output print data according to the RGB-based color model.

■ PostScript Applications

Adobe Illustrator, Adobe Photoshop, CorelDraw, and QuarkXpress are common PostScript applications.

If a PostScript application has recognized the current printer driver as a PostScript printer driver, it automatically produces PostScript code and sends it to the printer. Most PostScript applications utilize the CMYK-based color model, though this is dependent on the settings in the application software.

Color Printing from a PostScript Application

With some printer driver settings, some PostScript applications may fail to recognize the Canon PS printer driver as a PostScript printer driver. If this happens, print data is output via GDI (Graphics Device Interface) using the RGB-based color model, as with an Office application.

The settings which yield such changes during the operation of a PostScript application are described below. These settings are specified in the [PS Output from Application] setting in the [Configuration] sheet (Windows 98/Me) or the [Device Settings] sheet (Windows 2000/XP/Server 2003) of the Canon PS driver.

[PS Output from Application] Settings	PostScript application operation
Auto	If the setting*1 acceptable for processing by the printer driver is specified, the data is sent via the GDI and the RGB-based color model is used. Otherwise, the application software automatically produces PostScript code and, in most cases, the CMYK-based color model is used.
Off	The data is sent via the GDI and the RGB-based color model is used at all times.
On	The application software automatically produces PostScript code at all times and, in most cases, the CMYK-based color model is used.

*1 Settings processed by the printer driver are: Number of pages per sheet, Watermark, Page Options, Booklet Printing, Paper Source settings, Manual Color Settings, Print Color Sample, Use CanoFine, etc.

As described in the table above, if [Auto] is selected for [PS Output from Application], the operation of the PostScript application changes in accordance with the settings you have selected, resulting in a difference in color output. For example, if you are printing from CorelDraw and [1 Page per Sheet] is selected for [Page Layout], the color of the print output is different from that when [2 Pages per Sheet] is selected for [Page Layout].

Notes on Selecting the Best Setting for Color Printing

Some important parameters which should be considered when changing the [PS Output from Application] settings are shown in the table below.

Objective	Setting for [PS Output from Application]	Result	Reason
- You want to use an Office application. -or- - You want to use a PostScript application and the color of the printed output is not important.	Auto	The printer driver carries out printing for optimum output at all times.	Color output from the PostScript application varies, according to whether you have selected the settings processed by the printer driver.
You want to keep the PostScript application setting active at all times.	On	Color printing is performed using the color model you have specified in the PostScript application at all times.	Settings processed by the printer driver are inactive.
You want to activate the settings processed by the printer driver at all times.	Off	The settings you specified in the printer driver are activated at all times.	Since the RGB color model is used all the time, color output may not be carried out according to the setting you have specified in the PostScript application.

Supplement for Printers Color Adjustment

This section describes the color processing flow within the PostScript controller, and how the settings in the [Quality] sheet - [Profile Settings] dialog box (for printers other than the imagePRESS C1) or [Color] sheet (for the imagePRESS C1) affect color processing. There are several color spaces used by the printer driver and the PostScript application. Below is an explanation of the RGB, CMYK, and Grayscale color spaces.

NOTE

Depending on the application and operating system you are using, the description of color processing in this section may not apply. In this case, output results may differ from the description.

RGB

When the output color space is set to RGB in Office Applications or PostScript Applications, the output from the printer driver or the application is RGB. Color processing in the RGB color space is performed in the following process:
Pure Black Text → RGB Source Profile → Output Profile → Final Processing

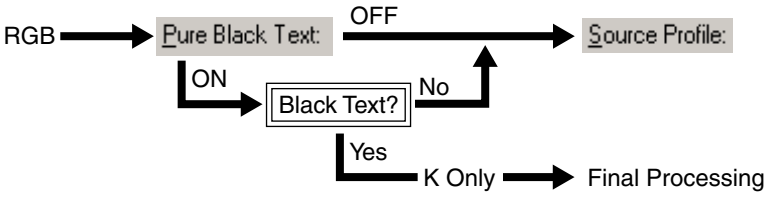
When you select RGB as the Color Adjustment in the PostScript application, color is processed using the parameters set in Color Adjustment, and processing begins from Output Profile Processing.

■ Pure Black Text Processing

Pure Black Text processing is the first process performed on RGB data output by the printer driver or PostScript application.

- If [Off] is selected for [Pure Black Text]:
  Proceeds to RGB Source Profile Processing.

- If [On] is selected for [Pure Black Text]:
  When the data is a text object, and that data is plain black (R=G=B=0), it is replaced with K (Black) toner (C=M=Y=0%, K=100%), and then proceeds to Final Processing. Select this setting when you want to print black text included in the document with K toner only. Otherwise, it will proceed to RGB Source Profile Processing.



NOTE

- Pure Black Text Processing is only valid for processing text. It is not applied for text composed of diagrams or images.
- Depending on the application and operating system you are using, the description of color processing in this section may not apply. In this case, output results may differ from the description.

■ RGB Source Profile Processing

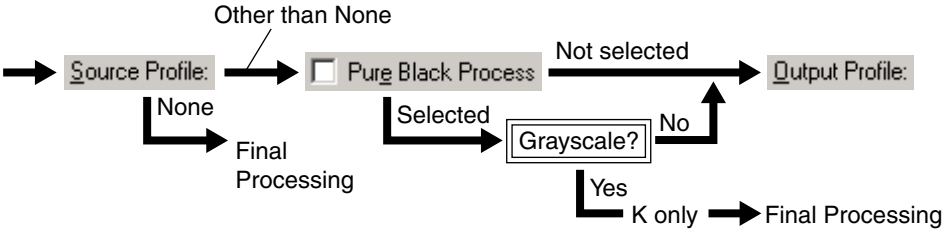
Next, RGB Source Profile processing is performed.

If [None] is selected for [RGB Source Profile], RGB Source Profile processing will not be applied and it will proceed to Final Processing.

If a setting other than [None] is selected for [RGB Source Profile], the RGB data will be processed with the selected Source Profile.

Then, Pure Black Text Processing is performed.

- If [Pure Black Process] is not selected:
  Proceeds to Output Profile Processing.
- If [Pure Black Process] is selected:
  When the data is gray (R=G=B), it is replaced K (Black) toner of suitable brightness (C=M=Y=0%, K=suitable brightness), and then proceeds to Final Processing. Select this setting when you want to print the gray objects included in the document with K toner. When the data is not gray, it proceeds to Output Profile Processing.



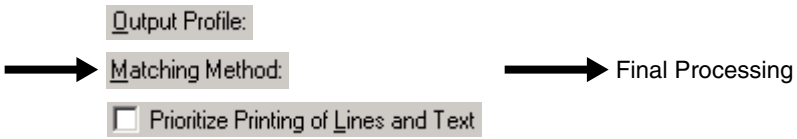
NOTE

For the Color imageRUNNER C3200, the Pure Black Text Process setting is not available. Only RGB Source Profile processing is performed in this process.

■ Output Profile Processing

After RGB Source Profile Processing, Output Profile processing is performed.

In this process, a suitable Output Profile is selected according to the settings of [Matching Method] and [Prioritize Printing of Lines and Text].

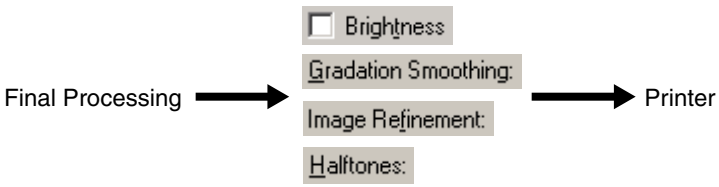


NOTE

For the imagePRESS C1, [Use 100% GCR Profile] replaces [Prioritize Printing of Lines and Text].

■ Final Processing.

Color processing common to all color spaces is performed last of all.



NOTE

- [Gradation Smoothing] and [Image Refinement] are settings in the [Detailed Settings] dialog box, displayed by clicking [Detailed Settings] in the [Quality] sheet.
- [Halftones] is a setting in the [Quality] sheet.

CMYK

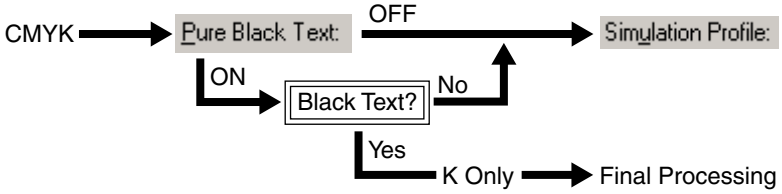
When the output color space is set to CMYK in PostScript Applications, output from the application is CMYK. Color processing in the CMYK color space is performed in the following process:
Pure Black Text → CMYK Simulation Profile → Output Profile → Final Processing

When you select CMYK as the Color Adjustment in the PostScript application, color is processed using the parameters set in Color Adjustment, and processing begins from Output Profile Processing.

■ Pure Black Text Processing

Pure Black Text processing is the first process performed on CMYK data output by the PostScript application.

- If [Off] is selected for [Pure Black Text]:
  Proceeds to CMYK Simulation Profile processing.
- If [On] is selected for [Pure Black Text]:
  When the data is a text object, and that data is plain black (C=M=Y=0, K=255, or C=M=Y=255, K=Optional), it is replaced with K (Black) toner (C=M=Y=0%, K=100%), and then proceeds to Final Processing. Select this setting when you want to print black text included in the document with K toner only. Otherwise, it will proceed to CMYK Simulation Profile processing.



NOTE

- Pure Black Text Processing is only valid for processing text. It is not applied for text composed of diagrams or images.
- Depending on the application and operating system you are using, the description of color processing in this section may not apply. In this case, output results may differ from the description.

■ CYMK Simulation Profile Processing

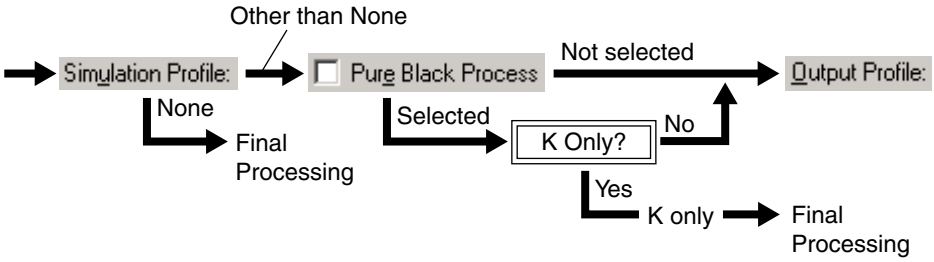
Next, CMYK Simulation Profile processing is performed.

If [None] is selected for [CMYK Simulation Profile], CMYK Simulation Profile processing will not be applied and it will proceed to Final Processing.

If a setting other than [None] is selected for [CMYK Simulation Profile], the CMYK data will be processed with the set Simulation Profile.

Then, Pure Black Text Processing is performed. This process is applied to text, graphics, and illustrations that are included as image objects.

- If [Pure Black Process] is not selected:
  Proceeds to Output Profile Processing.
- If [Pure Black Process] is selected:
  When the data is gray (C=Y=M, K component only), proceeds to Final Processing. Select this setting when you want to print the gray objects included in the document with K toner. When the data is not gray, it proceeds to Output Profile Processing.



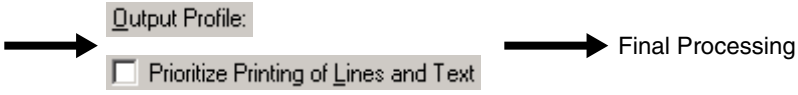
NOTE

For the Color imageRUNNER C3200, the Pure Black Text Process setting is not available. Only CMYK Simulation Profile processing is performed in this process.

■ Output Profile Processing

After CMYK Simulation Profile processing, Output Profile processing is performed.

In this process, a suitable Output Profile is selected according to the settings of [Prioritize Printing of Lines and Text].

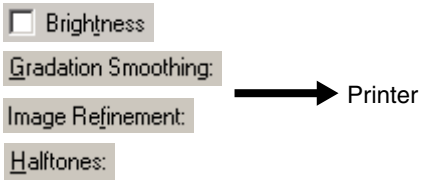


NOTE

For the imagePRESS C1, [Use 100% GCR Profile] replaces [Prioritize Printing of Lines and Text].

■ Final Processing

Color processing common to all color spaces is performed last of all.



NOTE

- [Gradation Smoothing] and [Image Refinement] are settings in the [Detailed Settings] dialog box, displayed by clicking [Detailed Settings] in the [Quality] sheet.
- [Halftones] is a setting in the [Quality] sheet.

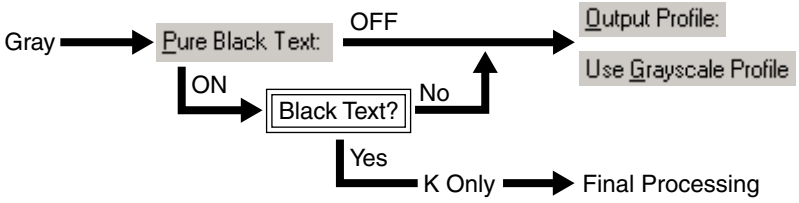
Grayscale

When you select [Black and White] for the [Color Mode] in the [Quality] sheet, or when you set the output color space in Postscript Applications to Grayscale, the output from the printer driver or the application is Gray. The color processing in the Gray Printing is performed in the following process:
Pure Black Text → Grayscale Profile and Output Profile → Final Processing

■ Pure Black Text Processing

Pure Black Text processing is the first process performed on Gray data output by the printer driver or PostScript application.

- If [Off] is selected for [Pure Black Text]:
  Proceeds to Grayscale Profile and Output Profile Processing.
- If [On] is selected for [Pure Black Text]:
  When the data is a text object, and that data is plain black (Gray=0), it is replaced with K (Black) toner (C=M=Y=0%, K=100%), and then proceeds to Final Processing. Select this setting when you wish to print black text included in the document with K toner only. Otherwise, it will proceed to Grayscale Profile and Output Profile Processing.



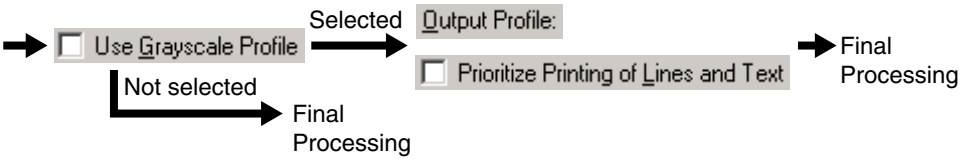
NOTE

- Pure Black Text Processing is only valid for processing text. It is not applied for text composed of diagrams or images.
- Depending on the application and operating system you are using, the description of color processing in this section may not apply. In this case, output results may differ from the description.

■ Grayscale Profile and Output Profile Processing

After Pure Black Text Processing, Grayscale Profile processing is performed.

- If [Use Grayscale Profile] is not selected:
  Proceeds to Final Processing.
- If [Use Grayscale Profile] is selected:
  Grayscale Profile processing is performed on the Gray data. Then, it will proceed to Output Profile processing. In this process a suitable Output Profile is selected according to the setting of [Prioritize Printing of Lines and Text].

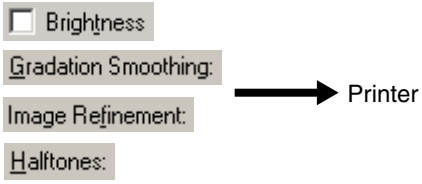


NOTE

For the imagePRESS C1, [Use 100% GCR Profile] replaces [Prioritize Printing of Lines and Text].

■ Final Processing

Color processing common to all color spaces is performed last of all.



NOTE

- [Gradation Smoothing] and [Image Refinement] are settings in the [Detailed Settings] dialog box, displayed by clicking [Detailed Settings] in the [Quality] sheet.
- [Halftones] is a setting in the [Quality] sheet.

Appendix

5
CHAPTER

This chapter provides information about additional software used with the PS printer driver.

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Additional Software

This section describes additional software used with the printer driver.

Canon Port Setting Tool

The Canon Port Setting Tool enables you to correspond the device driver installed in your computer with the network address for the device. If you cannot set up the printer configuration automatically or use the Job Accounting feature properly when you are using SMB (Server Message Block) or NDPS (Novell Distributed Print Services), you need to specify the port using the Canon Port Setting Tool.

1 In Windows Explorer, double-click the following folders: [Program Files] → [Canon] → [Portset].

2 In the [Portset] folder, double-click the [Portset.exe] icon to start the Canon Port Setting Tool.

NOTE

- The Canon Port Setting Tool is installed if you install the printer driver using the Installer.
- For more information on how to use the Canon Port Setting Tool, see the Online Help. To display the Online Help, start the Canon Port Setting Tool → click [Help].

Device Status Extension (Windows 2000/XP/Server 2003)

If you use a shared printer in Windows 2000/XP/Server 2003, you can browse information on the shared printer and manage print jobs through a web browser.

Installing Device Status Extension in Windows 2000/XP/Server 2003 enables you to browse detailed information on printers supporting Device Status Extension. Device Status Extension also enables you to start NetSpot Console from the [Device Status Extension] window to set up printers. NetSpot Console is software which monitors job status and devices connected to the network.

NOTE

- For instructions on how to install and use the Device Status Extension, see the README.TXT file located in the following folders on the Software CD-ROM:
  - \DSE\english\win2000
  - \DSE\english\winxp
  - \DSE\english\winServer2003
- Some products do not come with the Device Status Extension.

Operational Requirements and Restrictions in the Microsoft Cluster Server Environment

This section describes operational requirements and restrictions for using a printer in the Microsoft Cluster Server environment.

When Installing the Printer Driver

Take notice of the following points when using a printer in the Microsoft Cluster Server environment:

- Only server cluster environments in Microsoft Cluster Server are guaranteed to work with the printer drivers.
- The printer driver supports a server cluster consisting of two nodes. A cluster of three or more nodes is not supported.
- There must be only one spooler resource in the server cluster. Multiple spooler resources are not available.
- Select a Standard TCP/IP port for the printer.
- The printer driver must be installed in each cluster node individually. Otherwise it might be impossible to add a new driver to the virtual server.

When Installing the Canon Driver Information Assist Service

In order to set up the printer configuration automatically or to use the Job Accounting feature, it is necessary to register the Canon Driver Information Assist Service as a cluster object in each node of the cluster server. To do this, after installing the Canon Driver Information Assist Service in each node, add it to the same group as the print cluster resources (Printer Spooler, IP Address, Network Name, and Physical Disk) in the Cluster Administrator.

1 Install the Canon Driver Information Assist Service in each node using the Installer.

NOTE

For instructions on how to install the Canon Driver Information Assist Service, see "Installing the Canon Driver Information Assist Service," on p. 2-34.

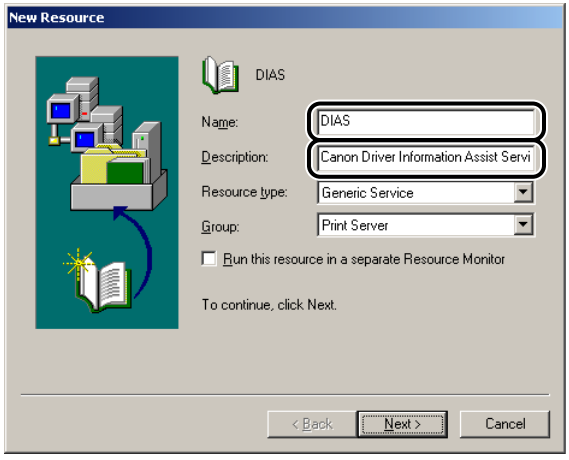
2 **On the [Start] menu, click [Cluster Administrator] to start Cluster Administrator.**

3 **From the [File] menu, point to [File] → click [Open Connection].**

4 **Right-click the [Resources] folder icon in the left pane of Cluster Administrator → point to [New] → click [Resource].**

The [New Resource] dialog box opens.

5 **Enter the name and description of the new resource.**



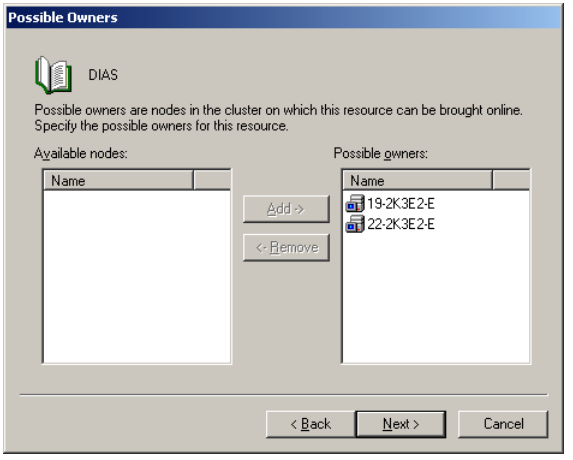
6 **Select [Generic Service] for [Resource type] → select the same group as the print cluster resources for [Group] → click [Next].**

NOTE

If the group which includes the print cluster resources (Printer Spooler, IP Address, Network Name, and Physical Disk) does not exist, it is necessary to create a new group for the print cluster resources.

7 **Select the nodes in which the Canon Driver Information Assist Service is installed from [Available nodes] → click [Add].**

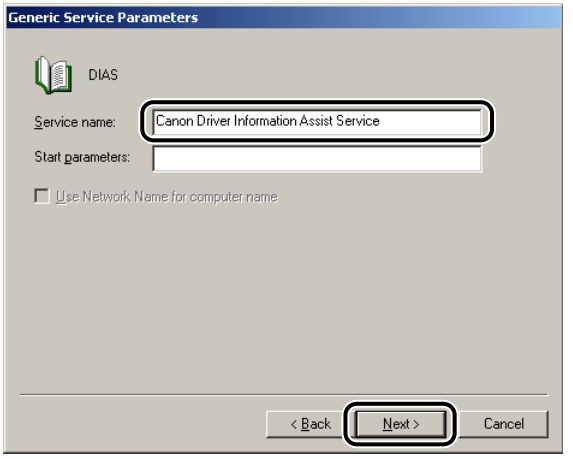
The nodes you selected are added to [Possible owners].



8 **Click [Next].**

9 **Leave [Dependencies] blank in the next dialog box → click [Next].**

10 **Enter <Canon Driver Information Assist Service> in [Service name] → click [Next].**



11 Make sure that [Registry Replication] is not selected → click [Finish].

The resource is created, and the Canon Driver Information Assist Service is registered as a cluster object.

PS Driver Functions List

The available functions for the Canon PS printer driver vary depending on the version of Windows you are using.

For the functions available for your environment, refer to the following table:

✓: Available –: Unavailable

Sheet	Settings	Windows 98/Me	Windows 2000/XP/ Server 2003
[Quality] sheet	Rendering Rate	–	✓
[Device Settings/ Configuration] sheet	Allow Password Setting *1	–	✓
[Profile] sheet	All settings	–	✓

*1: It is necessary to log on to the computer as the Administrator.

PS Printer Fonts List

Windows fonts and corresponding PS printer fonts are as follows:

Printer Font Name	Windows Font Name
AlbertusMT AlbertusMT-Italic	Albertus MT
AlbertusMT-Light	Albertus MT Lt
AntiqueOlive-Roman AntiqueOlive-Italic AntiqueOlive-Bold	Antique Olive Roman
AntiqueOlive-Compact	Antique Olive CompactPS
Apple-Chancery	Apple Chancery
ArialMT Arial-ItalicMT Arial-BoldMT Arial-BoldItalicMT	Arial
AvantGarde-Book AvantGarde-BookOblique AvantGarde-Demi AvantGarde-DemiOblique	AvantGarde
Bodoni Bodoni-Italic Bodoni-Bold Bodoni-BoldItalic	BodoniPS
Bodoni-Poster	Bodoni Poster
Bodoni-PosterCompressed	Bodoni PosterCompressed
Bookman-Light Bookman-LightItalic Bookman-Demi Bookman-DemiItalic	Bookman
Candid	Candid
Chicago	Chicago
Clarendon Clarendon-Bold	ClarendonPS
Clarendon-Light	Clarendon Light

Printer Font Name	Windows Font Name
CooperBlack CooperBlack-Italic	Cooper Black
Copperplate-ThirtyTwoBC	Copperplate32bc
Copperplate-ThirtyThreeBC	Copperplate33bc
Coronet-Regular	CoronetPS
Courier Courier-Oblique Courier-Bold Courier-BoldOblique	CourierPS
Eurostile	Eurostile
Eurostile-Bold	Eurostile Bold
Eurostile-ExtendedTwo Eurostile-BoldExtendedTwo	Eurostile ExtendedTwo
Geneva	Geneva
GillSans GillSans-Italic GillSans-Bold GillSans-BoldItalic	GillSans
GillSans-Condensed GillSans-BoldCondensed	GillSans Condensed
GillSans-Light GillSans-LightItalic	GillSans Light
GillSans-ExtraBold	GillSans ExtraBold
Goudy Goudy-Italic Goudy-Bold Goudy-BoldItalic	Goudy
Goudy-ExtraBold	Goudy ExtraBold
Helvetica Helvetica-Oblique Helvetica-Bold Helvetica-BoldOblique	Helvetica
Helvetica-Condensed Helvetica-Condensed-Oblique Helvetica-Condensed-Bold Helvetica-Condensed-BoldObl	Helvetica Condensed

Printer Font Name	Windows Font Name
Helvetica-Narrow Helvetica-Narrow-Oblique Helvetica-Narrow-Bold Helvetica-Narrow-BoldOblique	Helvetica Narrow
HoeflerText-Regular HoeflerText-Italic	Hoefler Text Regular
HoeflerText-Black HoeflerText-BlackItalic	Hoefler Text Black
HoeflerText-Ornaments	Hoefler Text Ornaments
JoannaMT JoannaMT-Italic JoannaMT-Bold JoannaMT-BoldItalic	Joanna MT
LetterGothic LetterGothic-Slanted LetterGothic-Bold LetterGothic-BoldSlanted	Letter GothicPS
LubalinGraph-Book LubalinGraph-BookOblique LubalinGraph-Demi LubalinGraph-DemiOblique	Lubalin Graph
Marigold	MarigoldPS
Monaco	Monaco
MonaLisa-Recut	Mona Lisa Recut
NewCenturySchlbk-Roman NewCenturySchlbk-Italic NewCenturySchlbk-Bold NewCenturySchlbk-BoldItalic	NewCenturySchlbk
NewYork	New York
Optima Optima-Italic Optima-Bold Optima-BoldItalic	Optima
Oxford	Oxford
Palatino-Roman Palatino-Italic Palatino-Bold Palatino-BoldItalic	Palatino

Printer Font Name	Windows Font Name
StempelGaramond-Roman StempelGaramond-Italic StempelGaramond-Bold StempelGaramond-BoldItalic	StempelGaramond Roman
Symbol	SymbolPS
Taffy	Taffy
Times-Roman Times-Italic Times-Bold Times-BoldItalic	Times
TimesNewRomanPSMT TimesNewRomanPS-ItalicMT TimesNewRomanPS-BoldMT TimesNewRomanPS-BoldItalicMT	Times New Roman
Univers Univers-Oblique Univers-Bold Univers-BoldOblique	Univers 55
Univers-Light Univers-LightOblique	Univers 45 Light
Univers-Condensed Univers-CondensedOblique Univers-CondensedBold Univers-CondensedBoldOblique	Univers 57 Condensed
Univers-Extended Univers-ExtendedObl Univers-BoldExt Univers-BoldExtObl	Univers ExtendedPS
Wingdings-Regular	Wingdings
ZapfChancery-MediumItalic	ZapfChancery Italic
ZapfDingbats	ITC Zapf Dingbats

Local Standard Paper Sizes List

To use Local Standard Paper, you need to register the paper size that you will be using as a custom paper size beforehand. For the sizes of Local Standard Papers available for your printer, see below:

Color imageRUNNER C2620, Color imageRUNNER C3200, Color imageRUNNER C3220, imageRUNNER C3100, imageRUNNER C5800, imageRUNNER C5870, imageRUNNER C6800, and imageRUNNER C6870:

Paper Name	Width (mm)	Height (mm)
Oficio	216.0	317.0
Ecuadorian Oficio	220.0	320.0
Bolivian Oficio	216.0	355.0
Mexican Oficio	216.0	341.0
Argentine Oficio	220.0	340.0
Folio	210.0	330.0
Argentine Letter	220.0	280.0
Government Letter	203.0	267.0
Government Legal	203.0	330.0
Australian Foolscap	206.0	337.0
Foolscap	216.0	330.0

Color imageRUNNER C2880, Color imageRUNNER C3380, imageRUNNER C3170, imageRUNNER 2870/2270, imageRUNNER 2870G/2270G, imageRUNNER 3025, imageRUNNER 3030, imageRUNNER 3035, imageRUNNER 3045, imageRUNNER 4570/3570, and imageRUNNER 4570G/3570G:

Paper Name	Width (mm)	Height (mm)
Oficio	216.0	317.0
Ecuadorian Oficio	220.0	320.0
Bolivian Oficio	216.0	355.0
Mexican Oficio	216.0	341.0
Argentine Oficio	220.0	340.0
Folio	210.0	330.0
Argentine Letter	220.0	280.0
Government Letter	203.0	267.0
Government Legal	203.0	330.0
Australian Foolscap	206.0	337.0
Foolscap	216.0	330.0
Chinese K8	270.0	390.0
Chinese K16	195.0	270.0

imageRUNNER 105, imageRUNNER 105+, imageRUNNER 7200, imageRUNNER 8070, imageRUNNER 85, imageRUNNER 85+, imageRUNNER 8500, and imageRUNNER 9070:

Paper Name	Width (mm)	Height (mm)
Oficio	216.0	317.0
Ecuadorian Oficio	220.0	320.0
Mexican Oficio	216.0	341.0
Argentine Oficio	220.0	340.0
Folio	210.0	330.0
Argentine Letter	220.0	280.0
Government Letter	203.0	267.0
Argentine Legal	220.0	340.0
Government Legal	203.0	330.0
Australian Foolscap	206.0	337.0
Foolscap	216.0	330.0
Korean Government Legal	190.0	268.0

imageRUNNER 3300/2800/2200, imageRUNNER 3300i, imageRUNNER 3320G, imageRUNNER 3320i/2220i, imageRUNNER 3320N/2220N, imageRUNNER 5000i, imageRUNNER 6000/5000, imageRUNNER 6020/5020, and imageRUNNER 6020i/5020i:

Paper Name	Width (mm)	Height (mm)
Oficio	216.0	317.0
Ecuadorian Oficio	220.0	320.0
Bolivian Oficio	216.0	355.0
Mexican Oficio	216.0	341.0
Argentine Oficio	220.0	340.0
Folio	210.0	330.0
Argentine Letter	220.0	280.0
Government Letter	203.0	267.0
Argentine Legal	220.0	340.0
Government Legal	203.0	330.0
Australian Foolscap	206.0	337.0
Foolscap	216.0	330.0
Korean Government Legal	190.0	268.0

Color imageRUNNER C4080, Color imageRUNNER C4580, Color imageRUNNER C5180, imagePRESS C1, imageRUNNER 5070, and imageRUNNER 6570/5570:

Paper Name	Width (mm)	Height (mm)
Oficio	216.0	317.0
Ecuadorian Oficio	220.0	320.0
Bolivian Oficio	216.0	355.0
Mexican Oficio	216.0	341.0
Argentine Oficio	220.0	340.0
Folio	210.0	330.0
Argentine Letter	220.0	280.0
Government Letter	203.0	267.0
Argentine Legal	220.0	340.0
Government Legal	203.0	330.0
Australian Foolscap	206.0	337.0
Foolscap	216.0	330.0
Korean Government Legal	190.0	268.0
Chinese K8	270.0	390.0
Chinese K16	195.0	270.0

imageRUNNER 7105/7095/7086:

Paper Name	Width (mm)	Height (mm)
Oficio	216.0	317.0
Ecuadorian Oficio	220.0	320.0
Mexican Oficio	216.0	341.0
Argentine Oficio	220.0	340.0
Folio	210.0	330.0
Argentine Letter	220.0	280.0
Government Letter	203.0	267.0
Argentine Legal	220.0	340.0
Government Legal	203.0	330.0
Australian Foolscap	206.0	337.0
Foolscap	216.0	330.0
Korean Government Legal	190.0	268.0
Chinese K8	270.0	390.0
Chinese K16	195.0	270.0

Glossary

C

Canon Driver Information Assist Service

A software module that is specialized in retrieval of information from devices. When you are using a shared printer in the Print Server (Point and Print) environment, it is necessary to install the Canon Driver Information Assist Service in the server PC in order to set up the printer configuration automatically or to use the Job Accounting feature.

CMYK

Cyan (C), Magenta (M), Yellow (Y), and Black (K). CMYK is the standard color model used for offset printing of full-color documents, using the secondary colors of light (plus black). CMYK is a subtractive process, which subtracts reflected colors from white. The CMY color model uses cyan, magenta, and yellow to create colors throughout the spectrum. The combination of cyan, magenta, and yellow in equal amounts results in no reflection of light (black). One of the most difficult aspects of color printing is color matching, which is properly converting RGB color into CMYK colors, so that what gets printed looks the same as what appears on the display. The four colors are printed on paper as layers of halftone dots in varying sizes and angles to create the illusion of different colors.

D

Device Status Extension

An extension for Windows 2000/XP/Server 2003 that enables you to view information about shared printers, and to manage print jobs using your Web browser. If you are using NetSpot Console, Device Status Extension also enables you to start NetSpot Console from the Device Status Extension screen to set up printers.

L

Log on

Entering a user name and password as a means of user authentication to start a computer session or access to a service.

N

NDPS

Novell Distributed Print Services. A printing system developed by Novell, for managing printers in a network environment.

NetSpot

Network management software that enables the setup and management of multiple printers connected to a network from one central location. A network manager can monitor conditions of network printers, ascertain online/offline status, error status, the amount of paper in cassettes, verify information on mounted fonts and other readings. All the functions that are conventionally conducted through the operation panel of the respective machines can be done from one location.

NetSpot Console

A web-based version of NetSpot. Being browser enabled, it can be used to browse and manage network devices.

P

PCL

Printer Control Language. A protocol originally designed by Hewlett-Packard enabling PCs to communicate with printers. PCL has become a de facto standard for laser and ink jet printers and is now supported by virtually all printer manufacturers.

Port Setting Tool

A software utility that enables you to confirm and reset the correspondence between the port of the device driver installed in Windows and its network address. The Port Setting Tool is useful when the printer driver is unable to acquire the device status information properly. If NetSpot Job Monitor is installed in your computer, you can also use this utility to set the update interval for acquiring information and for checking device types.

Protocol

A set of rules that govern the transmission of data across a network.

PS

PostScript. Developed by Adobe, this is a representative page descriptive language that provides flexible font capability and high-quality graphics, especially for high resolution printing.

R

RGB

Red (R), Green (G), and Blue (B) are the three primary colors of light. RGB is the standard color model used in computer/television monitors, scanners, and digital cameras. RGB is an additive system (colors are added to a black background), typically produced by emitted light. The RGB color model blends varying intensities of red, green, and blue light to create colors throughout the spectrum. A combination of these colors in equal amounts would produce white.

S

SMB

Server Message Block. A protocol that provides file and printer sharing over a network for Windows computers.

Spool

Simultaneous Peripheral Operations On-Line. Spooling means putting jobs in a buffer, which is a special area in memory or on a disk. Because devices access data at different rates, the buffer provides a waiting station where the data can wait until the device for which it is meant is ready to access it.

Subnet

A section of a network which utilizes the same network address as other parts of the network, but is distinguished by a unique subnet number. A subnet is a section of a network, which in turn can be a section of a larger network, such as the Internet.

U

UFR II

Ultra Fast Rendering II. A printing algorithm for realizing high speed rendering. UFR II enables processing tasks to be executed and divided appropriately between the host PC and the printer to greatly reduce overall printing time.

W

Watermark

This feature on your Canon machine enables you to apply individual stamps, such as "CONFIDENTIAL," "COPY," and "DRAFT," as well as your own customized stamps, to your printed documents in the form of a watermark.

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USRM1-0723-00
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